



Office of Hydrologic Development

**AHPS Configuration
Management System
AHPS CMS
User Documentation 5.1**



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Background

The AHPS Configuration Management System (AHPS CMS) is a web-based interface designed to manage a National AHPS Web configuration database. This release of the AHPS CMS Version 5.1 will provide users with more control over configurable items on WFO AHPS Web pages. This new interface/database provides users with the following advantages:

- Google Maps Based Inundation Mapping (see index)

Moving the AHPS web configuration data to a completely database driven environment opens up a variety of possibilities for future AHPS web page enhancements such as the previous listed items.

With the release of the NWS CMS, a modular experience has been created. Instead of utilizing “hard-coded” fixed button navigation, users can transition seamlessly throughout the AHPS CMS and NWS CMS (access permitting) by usage of a tabular and dropdown navigation that coincides with the Web presence that is currently implemented on the NWS homepage www.weather.gov. This allows NWS CMS and AHPS CMS to achieve an overall better NWS standard “look and feel”. Following the sections on browser requirements and access information below are instructions on how to use the navigational features as well as graphical representations of what users can expect to encounter when they login to the AHPS CMS.



Web Browser Requirements

This document assumes that end users will either be using Internet Explorer 8.0/9.0, Mozilla Firefox 6+, Google Chrome, Safari 4+ or newer browsers.

Data/Password Security

All web browser connections to the AHPS CMS are encrypted via the standard Secure Sockets Layer (SSL) protocol. Mozilla Firefox, Netscape Navigator and Internet Explorer all support SSL, and by convention, URLs that require an SSL connection start with https:// instead of http://. The AHPS CMS does not store any passwords and makes a secure SSL connection to a national LDAP server to authenticate users when logging in.

Support Contact Information

If you happen to encounter any issues with AHPS, please report them through the NWS Telecommunications Operations Center (TOC) trouble ticket system. The email address is:

TOC.NWSTG@noaa.gov

AHPS 24/7 Support Contact Phone:
NWS Telecommunications Operations Center (TOC)
(301) 713-0902



User Accounts/Access

User accounts can be configured to allow access to configuration data for an individual WFO HSA, groups of HSAs, NWS Regions, and/or national access. Current user account configuration is based on information provided by the NWS Regions and can be modified as needed upon request. Please contact your Region to request any user or account changes.

Once an account has been configured for a user, they will receive email from **nws.cms@noaa.gov**. This email contains information on how and where to log into the AHPS CMS. An example is provided below:

Example email:

From: NWS CMS <nws.cms@noaa.gov>
Date: Tuesday, Mar 20, 2012 10:48 am
To: john.doe@noaa.gov
Subject: New NWS CMS Account

You have been given access to the NWS Configuration Management System (NWS CMS) interface. Your password is the same as your normal NOAA password and will change whenever you change your NOAA password.

You have been given access to the following CMS(s)

AHPS CMS

The URL for NWS CMS interface is:

<https://nwscms.nids.weather.gov>

Your username is "john.doe@noaa.gov".

Support Information

The URL for AHPS CMS User Documentation is:

https://nwscms.nids.weather.gov/nwscms/pdf/AHPS_CMS.pdf

You can email TOC.NWSTG@noaa.gov with any questions or comments about the AHPS CMS interface or for immediate 24x7 NWS CMS support, please call:

(301) 713-0902.

Regards,
The NWS CMS Admin Team

AHPS CMS URL

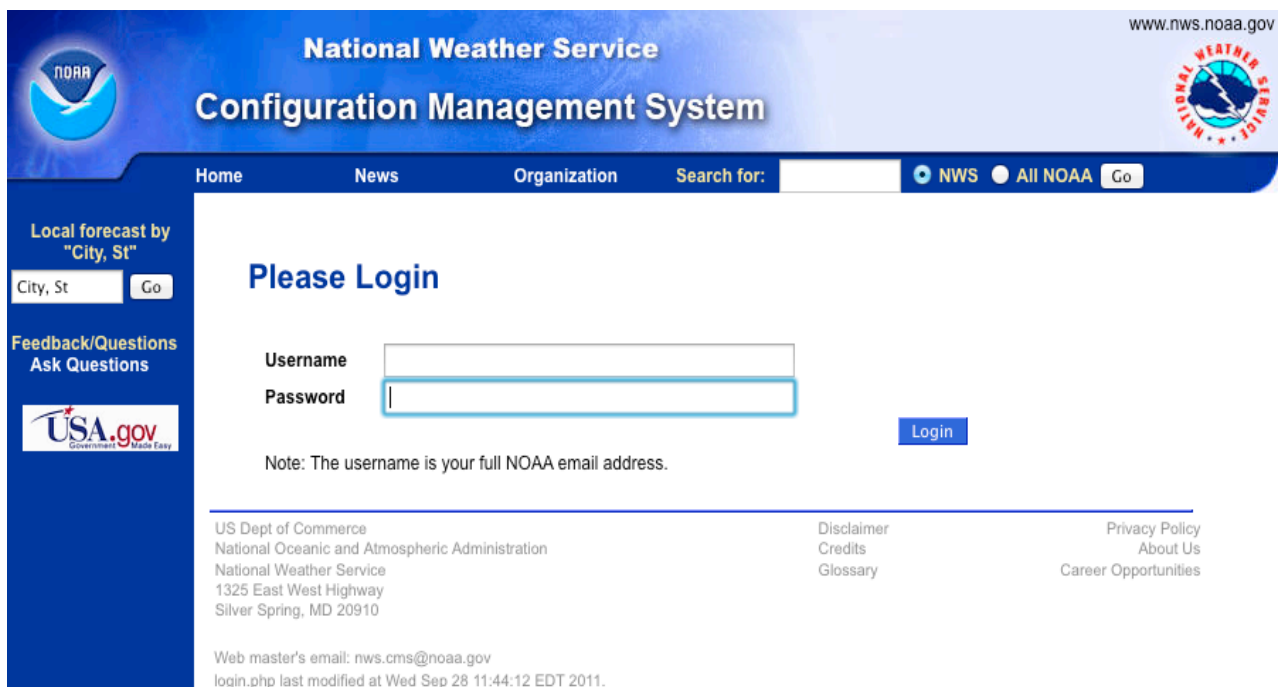
The AHPS CMS can be accessed at the following URL:

https://nwscms.nids.weather.gov

Important note: The URL for the AHPS CMS interface may need to be changed in the future. If this becomes necessary, several weeks notice will be provided before any URL change is implemented.

Logging into the AHPS-CMS

***Important Note:** All the following graphics show the interface in Mozilla Firefox. The interface may look slightly different depending on the browser you are using.



The screenshot shows the login page for the National Weather Service Configuration Management System. The page has a blue header with the NOAA logo on the left, the title "National Weather Service Configuration Management System" in the center, and the URL "www.nws.noaa.gov" on the right. Below the header is a navigation bar with links for "Home", "News", "Organization", and a "Search for:" field. There are also radio buttons for "NWS" and "All NOAA" with a "Go" button. On the left side, there is a "Local forecast by 'City, St'" section with a text input field and a "Go" button, and a "Feedback/Questions Ask Questions" section with a "USA.gov" logo. The main content area is titled "Please Login" and contains a "Username" field, a "Password" field, and a "Login" button. A note below the fields states: "Note: The username is your full NOAA email address." At the bottom, there is a footer with contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, and links for "Disclaimer", "Credits", "Glossary", "Privacy Policy", "About Us", and "Career Opportunities".

www.nws.noaa.gov

National Weather Service
Configuration Management System

Home News Organization Search for: NWS All NOAA Go

Local forecast by "City, St"
City, St Go

Feedback/Questions
Ask Questions

USA.gov
Government Made Easy

Please Login

Username

Password

Login

Note: The username is your full NOAA email address.

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

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Privacy Policy
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Web master's email: nws.cms@noaa.gov
login.php last modified at Wed Sep 28 11:44:12 EDT 2011.

Figure 1: AHPSCMS Login Page

To log into the AHPS CMS site shown in (**Figure 1**); users will enter their full noaa.gov email address i.e. "john.doe@noaa.gov" and their email account password then click on **Login**. See (**Figure 2**).



www.nws.noaa.gov

National Weather Service
Configuration Management System

Home News Organization Search for: ☒ NWS ☐ All NOAA

Local forecast by "City, St"

Feedback/Questions
Ask Questions

USA.gov
Government Made Easy

Please Login

Username

Password

Note: The username is your full NOAA email address.

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National Weather Service
1325 East West Highway
Silver Spring, MD 20910

Web master's email: nws.cms@noaa.gov
login.php last modified at Wed Sep 28 11:44:12 EDT 2011.

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Figure 2: NWS CMS Login Page with User Information

Once a user has successfully logged into the site, they will receive a notice to all users that this is an official government website and is for authorized use only. See (**Figure 3**). At this point users will need to either accept that they are logging into an official government system or logout.

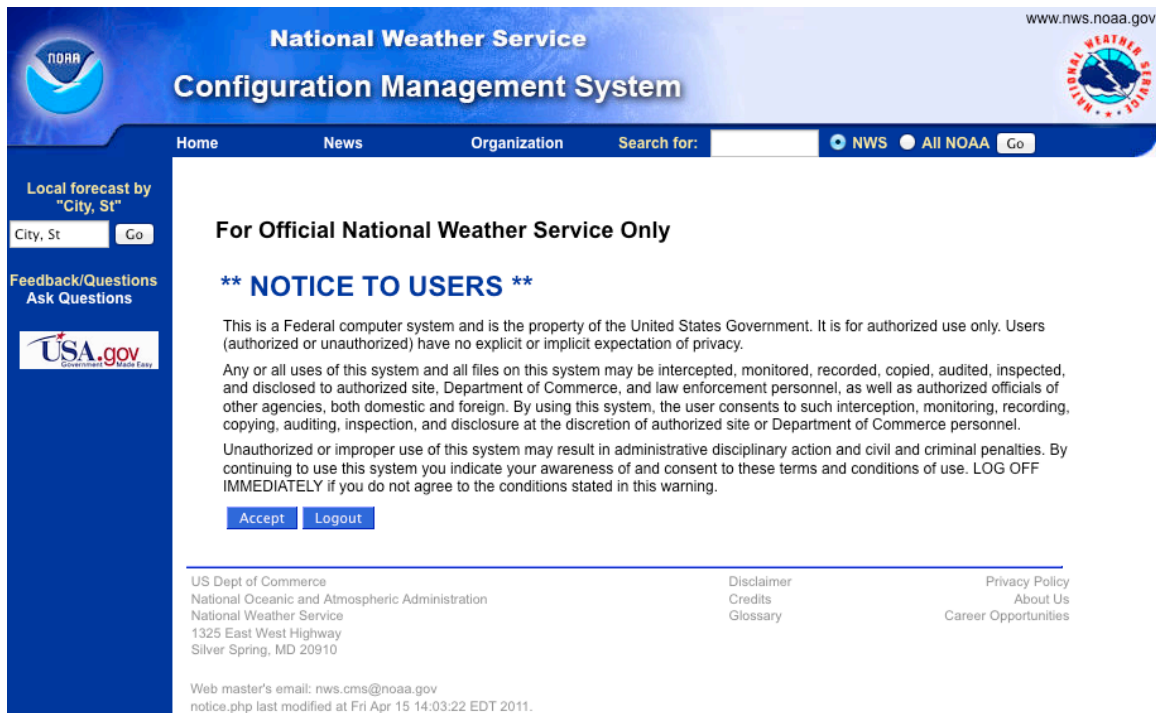



Figure 3: Notice to Users Page

Using the Interface

After clicking on **Accept**, the end user could see one or multiple NWS CMS Modules depending on the user's access configuration. (**Figure 4**) shows links for AHPS and NWS WFO. In order to access the AHPS CMS, users need to click **AHPS**. Users will then be directed to a page like the one seen in (**Figures 5 and 6**) which displays links for one or multiple WFOs. In either case, users will select the WFO they wish to view or make Web configuration changes to. Also if users have access to more than one WFO, they can easily sort the lists alphabetically by city or 3-letter WFO ID by clicking either **City** or **Abbrev**.

****Important Note:** Throughout the rest of this document, WFO Caribou, ME (CAR) and WFO Albany, NY (ALY) along with the sensors located within their area of responsibility will be referenced unless otherwise noted. This is only to decrease the complexity of the documentation. All questions not covered by this documentation will be answered via email or phone, and any reoccurring questions will also be added to the FAQ/Help section of the AHPS CMS web site.



 **National Weather Service** www.nws.noaa.gov

Configuration Management System

Home News Organization Search for: NWS All NOAA Go

Local forecast by "City, St"

City, St Go

CMS Category


- AHPS
- NWS WFO
- Logout

About NWS CMS

FAQ / Help

Feedback/Questions

Ask Questions



NWS CMS Options

Please choose your administrative destination:

AHPSNWS WFO


US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

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Web master's email: nws.cms@noaa.gov
choose.php last modified at Wed Aug 10 15:23:43 EDT 2011.

Figure 4: NWS CMS Module Selection Page

 **National Weather Service** www.nws.noaa.gov

AHPS

Home News Organization Search for: NWS All NOAA Go

Local forecast by "City, St"

City, St Go

CMS Category


- AHPS
- NWS WFO
- Logout

About AHPS CMS

FAQ / Help

Feedback/Questions

Ask Questions



AHPSNWS WFO

Options: - Pick WFO Go

Click on a column name (City or Abbrev) to sort the WFOs by that column.

City	Abbrev
Caribou, ME	CAR

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Web master's email: nws.cms@noaa.gov
wfopick.php last modified at Fri Apr 15 14:02:42 EDT 2011.

Figure 5: One WFO (WFO Caribou, ME)



National Weather Service
AHPS

www.nws.noaa.gov

Home
News
Organization
Search for:
☒ NWS
☐ All NOAA

Local forecast by
"City, St"

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

AHPS
NWS WFO

Options:

Click on a column name (City or Abbrev) to sort the WFOs by that column.

City	Abbrev
(Baltimore/Washington) Sterling, VA	LWX
Aberdeen, SD	ABR
Albany, NY	ALY
Albuquerque, NM	ABQ
Amarillo, TX	AMA
Anchorage, AK	PAFC
Anchorage, AK	PAFC3
Anchorage, AK	PAFC2
Austin/San Antonio, TX	EWX
Billings, MT	BYZ
Binghamton, NY	BGM
Birmingham, AL	BMX
Bismarck, ND	BIS
Blacksburg, VA	RNK
Boise, ID	BOI
Boston, MA	BOX
Brownsville, TX	BRO
Buffalo, NY	BUF
Burlington, VT	BTV
Caribou, ME	CAR
Charleston, SC	CHS
Charleston, WV	RLX
Cheyenne, WY	CYS

Figure 6: Multiple WFOs

Once users arrive on this page they can observe the tabular NWS CMS module navigation and the “Options” dropdown selection box; (**Figures 7 and 8**) below highlight the navigational items and briefly discuss how they are used.

Tabular NWS CMS Module Navigation

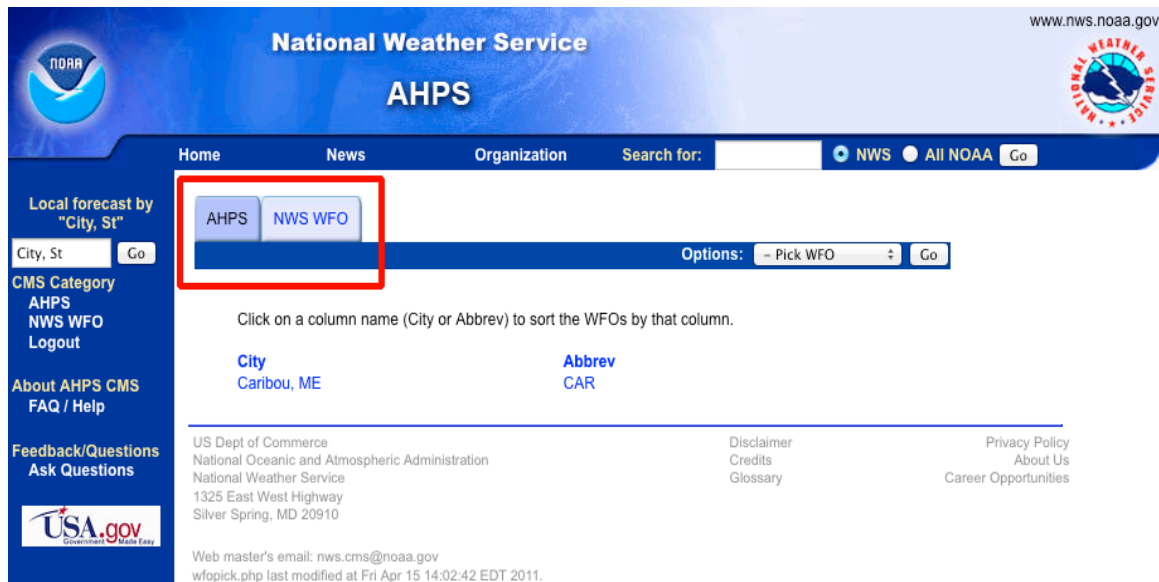


Figure 7: NWS CMS Tabular Module Navigation

The NWS CMS has been built to provide a modular experience, users can simply mouse over the appropriate tab of the module they wish to edit and click; this action will redirect the users to the selected NWS CMS module. In (**Figure 7**) above, the user has access to two separate NWS CMS Modules, AHPS CMS and NWS WFO CMS. This user has the ability to configure items related to their WFO/HSA or make changes to one or more WFO's information depending upon their access configuration. **NWS WFO CMS** will be covered in **Appendix A** of this document.

“Options” Dropdown Selection Box

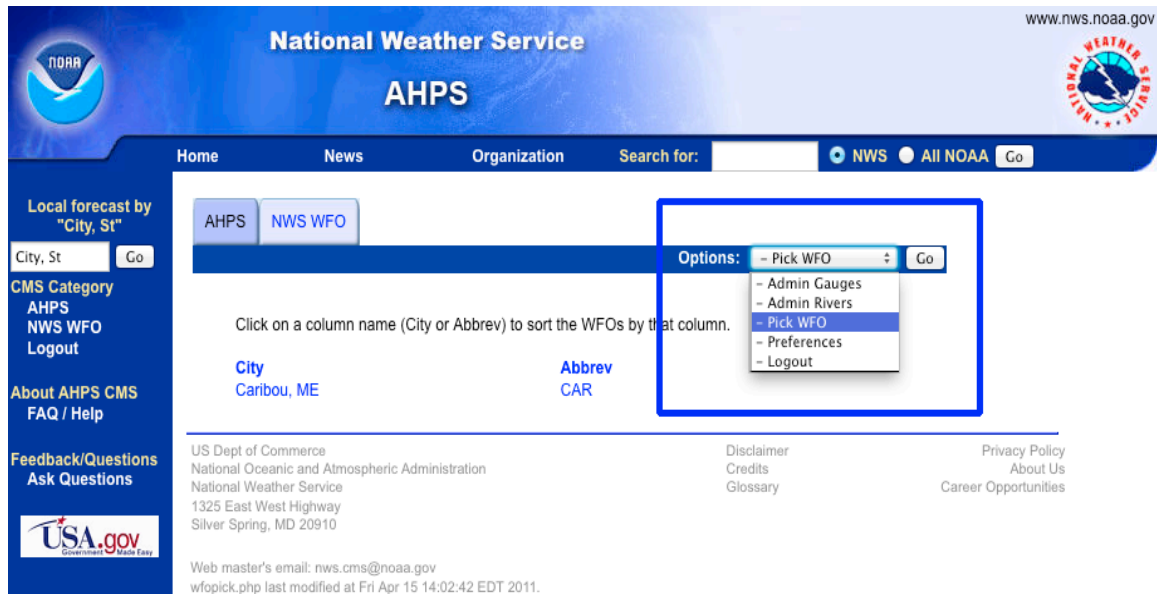


Figure 8: Intra-Module Navigation via “Options” Dropdown Selection Box

Once users have selected a module to configure, in this case AHPS CMS, they can choose to navigate within the options associated with that area of the module. In this case, the user has not selected his/her (WFO/HSA CAR) so they only have the options that are associated with the AHPS CMS such as, Admin Rivers, Admin Gauges, Preferences and the WFO selection. However, once the WFO/HSA has been selected, more options will appear inside this dropdown selection menu. These will be items such as Gauges, Radar Links and other WFO/HSA AHPS configuration items. We will touch on the other Options menu items before going forward with configuration explanations.



NWSLID Selection Page – Gauges Page

Once a user selects a WFO, in this case WFO CAR, the NWSLIDs for gauges managed by that particular WFO are listed in alphabetical order by NWSLID. This is the landing page after a WFO has been selected. This list is also downloadable via a link at the bottom of the gauge list when utilizing a browser other than Microsoft Internet Explorer. See (**Figure 9**).

National Weather Service
AHPS

Home News Organization Search for: ☒ NWS ☐ All NOAA

Local forecast by "City, St"
City, St

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

NWSLID Selection Page

Options:

NWSLID	Location Name
ALLM1	Allagash River above Allagash
ATGM1	Frenchman Bay at Bar Harbor
BBRM1	Big Black River near Depot Mountain
BLAM1	Piscataquis River at Blanchard
BPRM1	Penobscot River at Bangor
CTGM1	Gulf of Maine at Cutler
DICM1	St. John River at Dickey
DOVM1	Piscataquis River at Dover-Foxcroft
EDDM1	Penobscot River at Eddington
FIHM1	Fish River at Fort Kent
FTKM1	St. John River at Fort Kent
GRNM1	Penobscot River above Grindstone
MASM1	Aroostook River at Masardis
MATM1	Mattawamkeag River at Mattawamkeag
MFDM1	Piscataquis River at Medford
NINM1	St. John River at Nine Mile Bridge
PSBM1	Passamaquoddy Bay at Eastport
STFB3	St. Francis River near Connors
TINB3	Aroostook River below Tinker Dam
WENM1	Penobscot River at West Enfield
WSHM1	Aroostook River at Washburn

[Download Gauge List](#) (not available in IE)

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Figure 9: NWSLID Selection Page

Preferences Page

The Preferences Page (**Figure 10**) allows the user to control **Real-time, Daily Summary** email notification settings. A Real-time email includes changes that are made throughout the day and are transmitted as changes are made. A Daily Summary email includes all AHPS CMS changes made for a 24-hour period and is transmitted once every 24 hours. It is usually best to set the Daily Summary to “Yes” to better keep tabs on AHPS changes others may make to your WFO’s configuration.

The screenshot displays the National Weather Service (NWS) AHPS (Automated Hydrologic Prediction Service) web interface. The top navigation bar includes links for Home, News, Organization, and a search function. The main content area is titled 'Security User Edit john.doe@noaa.gov'. Below this, the 'NWS WFO Email Options' section is visible, featuring three dropdown menus for 'Real-time', 'Daily Summary', and 'Gauge Update', all currently set to 'No'. An 'Update' button is positioned to the right of these options. The left sidebar contains links for 'Local forecast by "City, St"', 'CMS Category' (AHPS, NWS WFO, Logout), 'About AHPS CMS' (FAQ / Help), and 'Feedback/Questions' (Ask Questions). The footer includes the NWS logo, a disclaimer, and contact information for the web master.

Figure 10: Preferences Page

Admin Rivers Page

The Admin Rivers Page (**Figure 11**) allows users to add a new Creek, River, or Reservoir, etc to the AHPS CMS database. ****Important Note:** Please use the “**Browse By Name:**” feature to verify that the water body name desired is not already within the database prior to adding the new water body name. Additionally, this page allows the user to modify the spelling and delete water bodies from the database.

**** Please use [Delete](#), [Update](#) and [New](#) commands with Extreme Caution! Deletion Confirmation and Update Confirmation will be discussed on the following pages ****

The screenshot displays the National Weather Service (NWS) AHPS Admin Rivers Page. The page header includes the NOAA logo, the text "National Weather Service AHPS", and the URL "www.nws.noaa.gov". The navigation bar contains links for Home, News, Organization, and a Search for: field. The main content area is titled "Admin Rivers By Name - 'Q'" and lists five rivers: Quartzville Creek, Queets R, Quinault River, Quinebaug River, and Quinnipiac River. Each river entry has "Update" and "Delete" buttons. A "New" button is also present. Below the river list is a "Browse By Name" section with a list of letters from 1 to Z, where 'Q' is highlighted. The sidebar on the left contains links for "Local forecast by 'City, St'", "CMS Category" (AHPS, NWS WFO, Logout), "About AHPS CMS" (FAQ / Help), and "Feedback/Questions" (Ask Questions). The footer contains contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, and links for Disclaimer, Credits, Glossary, Privacy Policy, About Us, and Career Opportunities.

Figure 11: Admin – Rivers Page

Deletion Confirmation

Once a user has decided to [Delete](#) an item in the AHPS CMS, a “Deletion Confirmation Page” will appear discussing the significances of this action. This allows the user to confirm that what they are deleting will not adversely affect other WFOs as well as their own office. See ([Figure 12](#)).

The screenshot shows the National Weather Service AHPS (Automated Hydrologic Prediction Service) interface. The header includes the NOAA logo, the text "National Weather Service AHPS", and the URL "www.nws.noaa.gov". The navigation bar contains links for Home, News, Organization, and a search bar. Below the navigation bar, there are tabs for "AHPS" and "NWS WFO". The main content area is titled "Deletion Confirmation" and contains a warning message: "If changes on this page are outside your area of responsibility, please be aware that the change(s) you are about to make will likely impact other office's configuration settings. If you have questions, contact ahps.cms@noaa.gov before making changes to determine potential ramifications." Below this, a section titled "The following commands will be processed:" lists several actions: "• 'DOVM1' will be deleted from ahps_gage table.", "• All zones will be deleted for 'DOVM1'.", "• All FIPS codes will be deleted for 'DOVM1'.", "• All photos will be deleted for 'DOVM1'.", "• All river points will be deleted for 'DOVM1'.", and "• This change will affect 1 HSA(s): CAR". At the bottom of the main content area, there is a question "Are you sure you want to continue?" followed by two buttons: "Cancel" and "Confirm Delete". The footer contains contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, 1325 East West Highway, Silver Spring, MD 20910. It also includes links for Disclaimer, Credits, Glossary, Privacy Policy, About Us, and Career Opportunities.

www.nws.noaa.gov

National Weather Service
AHPS

Home News Organization Search for: [] NWS All NOAA Go

Local forecast by "City, St" City, St Go

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

USA.gov

Options: - Admin Gauges Go

Deletion Confirmation

If changes on this page are outside your area of responsibility, please be aware that the change(s) you are about to make will likely impact other office's configuration settings. If you have questions, contact ahps.cms@noaa.gov before making changes to determine potential ramifications.

The following commands will be processed:

- 'DOVM1' will be deleted from ahps_gage table.
- All zones will be deleted for 'DOVM1'.
- All FIPS codes will be deleted for 'DOVM1'.
- All photos will be deleted for 'DOVM1'.
- All river points will be deleted for 'DOVM1'.
- This change will affect 1 HSA(s):
CAR

Are you sure you want to continue?

Cancel

Confirm Delete

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National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
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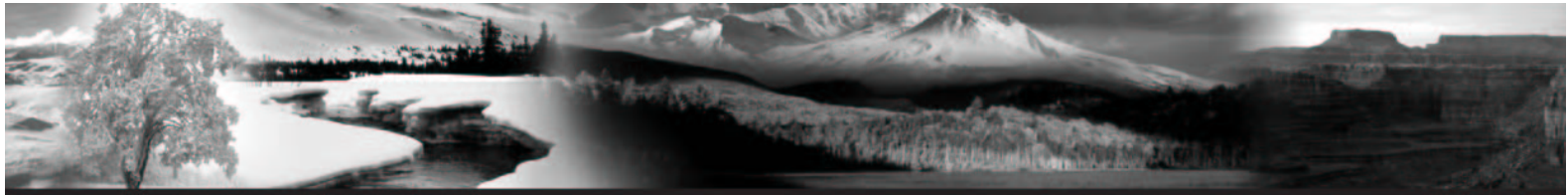
Figure 12: Deletion Confirmation Page

Update Confirmation

Once a user has decided to **Update** an “Admin” item in the AHPS CMS (an item that will not only effect the user’s WFO but also others), an Update Confirmation Page will appear discussing the significances of this action. This allows the user to confirm that what they are changing will not adversely affect other WFOs as well as their own office. See (**Figure 13**).

The screenshot shows the National Weather Service AHPS (Admin Hosted Product System) interface. The header includes the NOAA logo, the text "National Weather Service AHPS", and the URL "www.nws.noaa.gov". Navigation links for Home, News, Organization, and Search are present. A sidebar on the left contains links for Local forecast by "City, St", CMS Category (AHPS, NWS WFO, Logout), About AHPS CMS (FAQ / Help), and Feedback/Questions (Ask Questions). The main content area is titled "'Abbotts Creek' Update Confirmation". It contains a warning message: "If changes on this page are outside your area of responsibility, please be aware that the change(s) you are about to make will likely impact other office's configuration settings. If you have questions, contact ahps.cms@noaa.gov before making changes to determine potential ramifications." Below this, it states "The following commands will be processed:" and lists two items: "'Abbotts Creek' will be renamed to 'Abbotts Creek N'" and "This change will affect 1 HSA(s) : RAH". A question "Are you sure you want to continue?" is followed by "Cancel" and "Confirm Update" buttons. The footer contains contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, 1325 East West Highway, Silver Spring, MD 20910. It also includes links for Disclaimer, Credits, Glossary, Privacy Policy, About Us, and Career Opportunities. The web master's email is nws.cms@noaa.gov and the page was last modified on Fri Apr 15 14:02:41 EDT 2011.

Figure 13: Update/Approval Confirmation Page



Admin Gauges Page

The Admin Gages Page (**Figure 14**) allows users to add/delete gauge(s) for a particular WFO. In the drop down box labeled **WFO**, users will select the WFO they wish to add or delete gauges. If adding a new gauge, users must first enter the gauge NWSLID within the text box labeled **NWSLID** and click the **New** button. See (**Figure 15**) on the following page.

www.nws.noaa.gov

National Weather Service
AHPS

Home News Organization Search for: ☒ NWS ☐ All NOAA

Local forecast by "City, St"
 City, St

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

USA.gov
Government Made Easy

Options:

Admin Gauges

WFO

NWS LID

Commands

Find Gauge

NWS LID

Commands

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

Web master's email: nws.cms@noaa.gov
admgage.php last modified at Fri Apr 15 14:02:42 EDT 2011.

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Figure 14: Admin Gauges Page (Example 1)



www.nws.noaa.gov

National Weather Service
AHPS

Home News Organization Search for: ☒ NWS ☐ All NOAA

Local forecast by "City, St"

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

USA.gov
Government Made Easy

Admin Gauges

Options:

Find Gauge

WFO

NWS LID

Commands

Commands

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
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Web master's email: nws.cms@noaa.gov
admgage.php last modified at Fri Apr 15 14:02:42 EDT 2011.

Figure 15: Admin Gauges Page (Example 2)

Once the new gauge has been added it will take users to a new gauge configuration page for this location. A fully configured gauge data page is shown in (**Figures 17a,b,c**). If editing an existing gauge, enter the NWSLID of the gauge in text box labeled **NWS LID** under the **Find Gauge** section of the Admin Gauges Page. Then click the button to bring up the desired gauge for editing. The ending result should look similar to (**Figures 17a,b,c**).



Gauge Configuration Page

Once a user selects a WFO, in this case WFO (CAR) the NWSLIDs for gauges managed by the WFO is listed in alphabetical order by NWSLID. See (**Figure 16**).

The screenshot shows the National Weather Service AHPS website. The header includes the NOAA logo, the text "National Weather Service AHPS", and the URL "www.nws.noaa.gov". The navigation bar contains links for Home, News, Organization, and a Search field. Below the navigation bar, there are tabs for "AHPS" and "NWS WFO". The "NWS WFO" tab is active, displaying a list of NWSLIDs and their location names. The list is as follows:

NWSLID	Location Name
ALLM1	Allagash River above Allagash
ATGM1	Frenchman Bay at Bar Harbor
BBRM1	Big Black River near Depot Mountain
BLAM1	Piscataquis River at Blanchard
BPRM1	Penobscot River at Bangor
CTGM1	Gulf of Maine at Cutler
DICM1	St. John River at Dickey
DOVM1	Piscataquis River at Dover-Foxcroft
EDDM1	Penobscot River at Eddington
FIHM1	Fish River at Fort Kent
FTKM1	St. John River at Fort Kent
GRNM1	Penobscot River above Grindstone
MASM1	Aroostook River at Masardis
MATM1	Mattawamkeag River at Mattawamkeag
MADM1	Piscataquis River at Medford
NINM1	St. John River at Nine Mile Bridge
PSBM1	Passamaquoddy Bay at Eastport
STFB3	St. Francis River near Connors
TINB3	Aroostook River below Tinker Dam
WENM1	Penobscot River at West Enfield
WSHM1	Aroostook River at Washburn

Below the list, there is a link: "Download Gauge List (not available in IE)".

The footer contains the following information:

- US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910
- Disclaimer
Credits
Glossary
- Privacy Policy
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Figure 16: NWSLID Selection Page

Once a NWSLID is selected in (**Figure 16**), a gauge configuration page is displayed (**Figures 17a,b,c**) which allows the user to input data or select configuration settings for the selected NWSLID.

CAR - Edit Gauge DOVM1

River Name [Gauge List](#)

Proximity

Location Name

State

Adjacent State For RSS selection and display.

Time Zone

RFC

Water Resource Region

Action (NRLDB)

Flood (NRLDB)

Moderate (NRLDB)

Major (NRLDB)

Flood Category Type (in feet)

Low Water Threshold feet

Hydrograph Disclaimer/Message 01

Hydrograph Disclaimer/Message 02

Forecast Reliability

Forecast Status

Probabilistic Site [Probabilistic Configuration](#)

Volume Exceedance Graph Available (for Entire Period)

Pool Exceedance Location

Probabilistic Start Date (YYYY-MM-DD)

Display Number of Historic Crests

Display Number of Low Water Events

Display Low Water Impacts

COE ID

COE URL

USGSID (NRLDB)

Low Flow Display

Figure 17a: Gauge Configuration Page (Image 1)



Low Flow Display

Enter text or HTML here that you wish to appear as "Additional Information":

Display Unique Additional Information

Give Data Attribution

Attribution Wording Observations Courtesy of

Attribution URL

Attribution ALT Text (HydroGen Only)

Plot Location on Maps (This will affect both the HSA and national map.)

FIPS

FIPS Code

Commands

NWS Forecast Zone

Zone Code

Commands

Photo

Photos with no caption specified will not display on the hydrograph page.
If you would like to upload photos [click here](#).

Figure 17b: Gauge Configuration Page (Image 2)



Gauge Map Configuration (Google Maps)

Gauge Map Configuration

Use the plus and minus controls to set the zoom level of the map then press the **Update** button to save your changes.

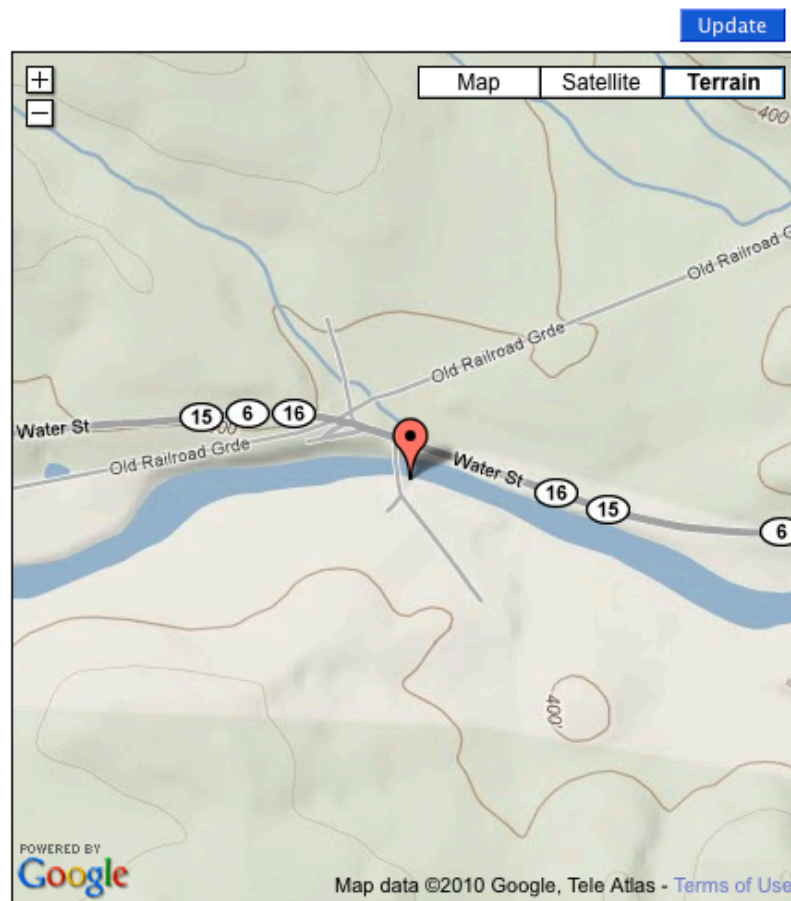





Figure 17c: Gauge Configuration Page (Image 3)

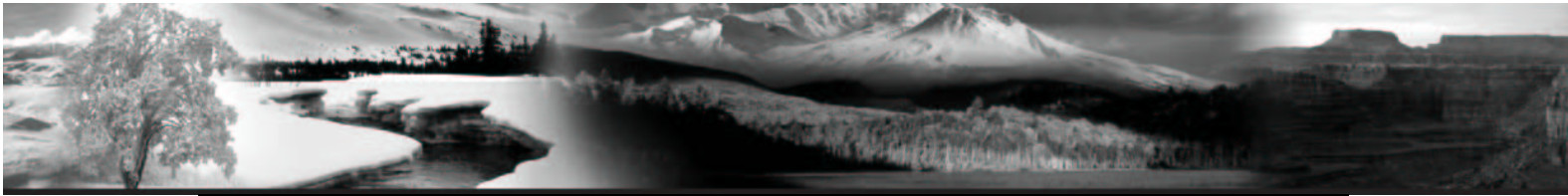
In previous versions of AHPS, Tiger Maps were utilized for Gauge Maps and these had to be built manually and uploaded. Now within the AHPS CMS, users are provided with an adjustable zoom level Google Maps interface for the gauge location. Users simply need to click the + / - signs and click **Update** to set the appropriate level of zoom for the gauge map.



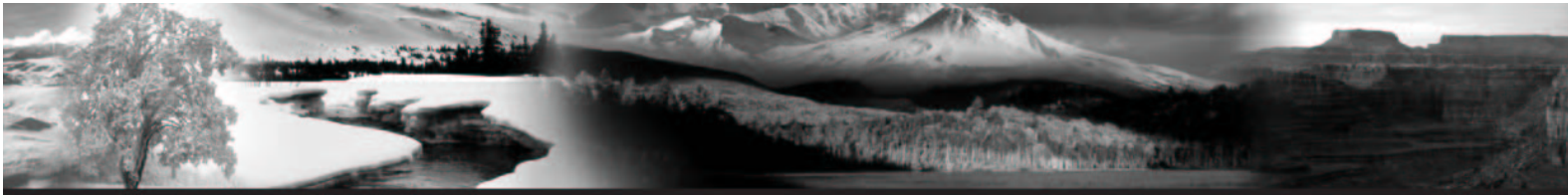
Gauge Configuration Explanations

In this section we will explain what each configuration selection drives. Some items are simple and self-explanatory; others are more complex and direct users to additional pages to complete the configuration. We will cover those items in their own mini-segment(s).

Configuration Item	Remarks
River Name	The name of the water body the gauge should be associated with.
Proximity	<p>Dropdown selection box. Selectable items are above, at, below, near, and other.</p> <p>Special feature (other): If the desired proximity is a direction/distance (mileage) from a fixed location, select “other” in the dropdown box and then click on the  button towards the bottom of the page. This will bring up two additional items. One input box for an integer value for distance and a dropdown box for compass direction. Example for a gauge 10 miles North of the Location Name field:</p> <div> <input type="text" value="other"/>  <input type="text" value="10"/> <input type="text" value="N Of"/>  </div>
Location Name	Plain language name of the gauge location. This is the name the user wants displayed on the AHPS hydrograph page for this location.
State	Dropdown selection box
Adjacent State	Chose the Adjacent State for RSS Selection and display
Time Zone	Dropdown selection box (select TZ for gauge location)
RFC	Dropdown selection box (choose appropriate RFC for gauge)
Action	Stage in feet, volume flow, or enter zero (0) if undefined for gauge location (NRLDB Value) not configurable via AHPS CMS
Flood	Stage in feet, volume flow, or enter zero (0) if undefined for gauge location (NRLDB Value) not configurable via AHPS CMS
Moderate	Stage in feet, volume flow, or enter zero (0) if undefined for gauge location; this feature will be used in the future on HSA maps to color code the icon during moderate flooding. (NRLDB Value) not configurable via AHPS CMS
Major	Stage in feet, volume flow, or enter zero (0) if undefined for gauge location; this feature will be used in the future on HSA maps to color code the icon during major flooding. (NRLDB Value) not configurable via AHPS CMS



Configuration Item	Remarks
Flood Category Type	Toggle between Flow and Stage types for the flood category.
Low Water Threshold	Input the Upper Limit for Low Water (options) Feet, KCFS, CFS
Hydrograph Disclaimer/Message 01	Dropdown box selection. If a disclaimer/message is selected, it will display below the hydrograph for the selected location.
Hydrograph Disclaimer/Message 02	Dropdown box selection. If a disclaimer/message is selected, it will display below the hydrograph for the selected location.
Forecast Reliability	<p>Dropdown box selection. If a forecast reliability message is selected, it is displayed below the hydrograph for the selected NWSLID gauge.</p> <p>Options are:</p> <ol style="list-style-type: none"> 1. No message (- none -) 2. Based on unobstructed flow 3. Unavailable due to ice 4. Unavailable due to missing or inaccurate readings 5. Based on current and forecast river, weather and reservoir conditions 6. Forecast data shown here are guidance values only; Please refer to your local NWS office....



Forecast Status	<p>Dropdown selection box. Gives description of what type of forecast is available for gauge location. Item appears as a NOTE: below the hydrograph. The xxxx denote the name, water body type and proximity based upon the gauge's configuration in the AHPS CMS.</p> <ol style="list-style-type: none"> 1. No routine – Graphical forecasts are not available for the xxxxxx xxxxx. During times of high water, forecast crest information can be found in the <u>text products</u>. 2. Navigation Season - Forecasts for the xxxxx xxxxxx are issued routinely during the navigation season, and as needed at other times of the year. 3. Summer-only - Forecasts for the xxxxx River at xxxx are issued routinely during the warm season, and as needed at other times of the year. 4. Year-round - Forecasts for the xxxxxx xxxxx are issued routinely year-round. 5. High Water - Forecasts for the xxxxx xxxxx are issued as needed during times of high water, but are not routinely available. 6. Data Point - Forecasts are not available for the xxxx xxxxx. Only observed stages are available for this point.
Probabilistic Site (See Section below)	<p>Dropdown selection box (Yes/No); this feature turns on the probabilistic icons on the hydrograph page for the selected gauge. Also have the ability to select what type of Probabilistic Data to display.</p>

Probabilistic Configuration

Once users click the “Probabilistic Configuration” button they will be directed to a page where they can select what type of probabilistic information they would or would not like to include on their gauge pages; these include **Stage**, **Flow** and **Volume**. Users will notice in (**Figure 18**) below there are a series of selection boxes that can be set in any possible combination based upon the user’s preference or situation. When users are finished with their configuration changes they simply need to click [Update](#) to apply the changes. Users can then choose to either go back to the Gauge Edit Page by clicking [Return to Gauge Editor](#) or choose to navigate somewhere else within the AHPS CMS using the “Options” dropdown menu.

The screenshot shows the National Weather Service (NWS) AHPS (Automated Hydrologic Prediction Service) interface. The header includes the NOAA logo, the text "National Weather Service AHPS", and the URL "www.nws.noaa.gov". Below the header is a navigation bar with links for Home, News, Organization, and a search bar. The main content area is titled "CAR - Probabilistic Configuration for DOVM1". It features three dropdown menus for "Stage", "Flow", and "Volume", each with "Yes" selected. Below these is an "Update" button. To the left of the "Update" button is a "Return to Gauge Editor" button. On the far left, there is a sidebar with links for "Local forecast by 'City, St'", "CMS Category" (AHPS, NWS WFO, Logout), "About AHPS CMS" (FAQ / Help), and "Feedback/Questions" (Ask Questions). At the bottom, there is a footer with contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, and links for Disclaimer, Credits, Glossary, Privacy Policy, About Us, and Career Opportunities.

www.nws.noaa.gov

National Weather Service
AHPS

Home News Organization Search for: [] NWS All NOAA Go

Local forecast by "City, St" [] Go

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

USA.gov
Government by Your Side

AHPS NWS WFO

Options: - Admin Gauges Go

CAR - Probabilistic Configuration for DOVM1

Stage Yes
Flow Yes
Volume Yes
[Update](#)

[Return to Gauge Editor](#)

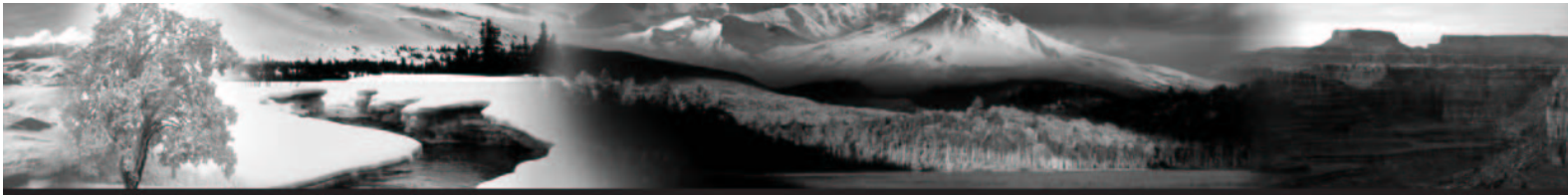
US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

Web master's email: nws.cms@noaa.gov
gage_probabilistic.php last modified at Thu Jul 21 16:06:45 EDT 2011.

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Figure 18: Probabilistic Site Configuration Page



Volume Exceedance Graph Available*	Dropdown selection box (Yes/No); *this features only displays when a site has been selected as a Probabilistic Site. This setting is used to add the volume exceedance icon to the hydrograph page for the entire period exceedance type. * If Volume Exceedance is set to “YES”, then Probabilistic Site MUST be set to “YES”. This probabilistic data type is not available for all locations. Contact your RFC if you question that your WFO uses this type of data.
Pool Exceedance Location*	Dropdown selection box (Yes/No); *this features only displays when a site has been selected as a Probabilistic Site. When this item is set to “Yes”, the location displays exceedance values as if it were a reservoir instead of a stream/river.
Probabilistic Start Date (YYYY-MM-DD)	The expected start date of probabilistic data for selected location.
Display Number of Historic Crests	Dropdown selection box. Number of historical crest to be displayed on hydrograph page. (1-10)
Display Number of Low Water Events	Dropdown selection box. Number of historical low water events to be displayed on hydrograph page. (1-5)
Display Low Water Impacts (See below next page)	Toggle for the Display of Low Water Impacts (Yes or No)



Low Water Impacts

AHPS

Options: - Admin Gauges Go

Low Water Impacts for DOVM1

The new impact statement was successfully added.

Low Water Value/Range	Impact Text	Commands
5.0 kcfs	Flow affect text goes here.	<div>Update Delete</div> <div>Move Down</div>
5.2 kcfs	Additional text goes here.	<div>Update Delete</div> <div>Move Up</div>
		<div>Add</div>

Return to Gauge Editor

Figure 19: Low Water Impacts Edit Page

(**Figure 19**) Shows the “Low Water Impacts” edit page. When users select “Yes” to display Low Water Impacts within the dropdown selection box and **Update** is clicked, they will be presented with a button **Edit Impacts**. Once users click this button, they will be directed to the page where they can add different Low Water Values and the Impact text that goes along with that value or range. The can be sorted manually via the buttons located to the right of the impact text box. These items can be deleted and/or updated after the text has been edited on existing values. When users have completed their edits on this page they simply need to click **Return to Gauge Editor** to return back to the “Gauge Edit” page.



COE ID	Corps of Engineers (COE) gauge location ID. Defined from NRLDB.
COE URL	The COE URL for the selected gauge location. This will link users to that gauge page.
USGSID (Displayed via NRLDB)	U.S. Geological Survey (USGS) gauge location ID; if available an attribution statement for the USGS will be displayed above the hydrograph.
Display Unique Hydrograph Data	Enter text or HTML here that you wish to appear as "Additional Information" below the impact statement on the hydrograph page. This item is configurable per gauge location.
Give Data Attribution (See section below next page)	Dropdown selection box, it is a Yes/No selectable item.
Attribution Wording (See section below next page)	This field is used for the organization name(s) that attribution should be given to and is limited to 32 characters due to space constraints on the HydroGen hydrograph image. The AHPS code will pre-append the phrase "Observations Courtesy of" prior to organization attribution wording input. This is a mandatory item if "Give Data Attribution" is set to <input type="text" value="Yes"/> .
Attribution URL (See section below next page)	This is the URL the attribution wording should point to. If a non-.Gov website is used, a jump page (You are now leaving the NWS...) will automatically be configured for the non-.Gov website address. The "Attribution URL" is an optional item.
Attribution ALT Text (HydroGen Only) (See section below next page)	This is an optional ALT tag text input field. If not defined, the AHPS code will use the wording from the "Attribution Wording" field for the ALT tag.
Plot location on Maps	The feature is currently used to control whether or not the location is plotted on the HSA map and National AHPS map.



Data Attribution

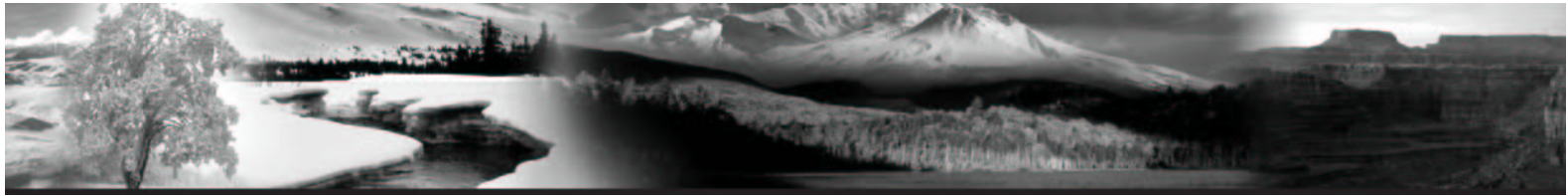
The AHPS CMS interface has been modified to allow NWS personnel to customize the “Observations Courtesy of” attribution organization wording, URL, and ALT tag text on the hydrograph page for both HydroGen and Rivdat type hydrographs. A new configuration item called “**Give Data Attribution**” has been added to the gauge configuration page with a default setting of “No”. To ensure that current attribution to US Geological Survey (USGS) will not be lost once this new feature goes into production, any gauge with a USGS ID defined will have the new CMS fields populated with USGS attribution settings. The selection boxes that are used to change this can be seen below in (Figure 20).

Give Data Attribution	<input type="button" value="Yes"/>
Attribution Wording	Observations Courtesy of <input type="text" value="US Geological Survey"/>
Attribution URL	<input type="text" value="http://water.usgs.gov/"/>
Attribution ALT Text	<input type="text" value="USGS--Water Resources of the United States"/> (HydroGen Only)

Figure 20: Data Attribution Settings

**This information will only be displayed when is selected for the option: “Give Data Attribution”. If is selected for this option, this information will ‘NOT’ be displayed on this page.*

Once changes are made to configuration data, users will need to click on for the section they have modified. This will save the modification to the configuration database.



Edit Up/Down Stream

This page allows users to enter into the AHPS CMS the relationship a particular gauge has with other gauges around it. With this page users can set both a primary and a secondary gauge that is either up or down stream in relation to this gauge. This was implemented for cases of river forks where more than one gauge could potentially be considered up or down stream. If a gauge has either two up or down stream gauges a new fork arrow will be visible on the Hydrograph page.

CAR - Up/Downstream Locations for DOVM1

This page may take some time to load. Please be patient.

Primary Upstream Location	<input type="text" value="BLAM1 – Piscataquis River at Blanchard"/>	Gauge List
Primary locations setup to point back down to this gauge: Piscataquis River at Blanchard (BLAM1)		
Primary Downstream Location	<input type="text" value="MFDM1 – Piscataquis River at Medford"/>	Gauge List
Primary locations setup to point back up to this gauge: Piscataquis River at Medford (MFDM1)		
Secondary Upstream Location	<input type="text" value="None Specified"/>	
Secondary locations setup to point back down to this gauge: none		
Secondary Downstream Location	<input type="text" value="None Specified"/>	
Secondary locations setup to point back up to this gauge: none		
Update		
Return to Gauge Editor		

Figure 21: Edit Up/Down Stream Gauge Options



HydroGen (Gauge Configuration Page)

CAR - Edit HydroGen Data for DOVM1

Sensor In Service	<input type="button" value="Yes"/>
Override HydroGen Gauge Name	<input type="button" value="No"/>
HydroGen Days Ahead	<input type="button" value="3 days"/>
HydroGen Days Back	<input type="button" value="3 days"/>
Show Flow Y-Axis	<input type="button" value="Yes"/>
Flow Units	<input type="button" value="KCFS"/>
Show Forecast Trace	<input type="button" value="Yes"/>
Show Observed Trace	<input type="button" value="Yes"/>
Use Computed Rating	<input type="button" value="Yes"/>
Suppress Plotting of Observation Data	<input type="button" value="No"/>
Suppress Plotting of Forecast Data	<input type="button" value="No"/>
Maximum Forecast Age (Hours)	<input type="button" value="26"/>
<input type="button" value="Update"/>	
<input type="button" value="Return to Gauge Editor"/>	
PEDTS Code	<input type="button" value="Add additional PEDTS Code"/> <input type="button" value="Add PEDTS Code"/>

PEDTS	Priority
HGIRG	1

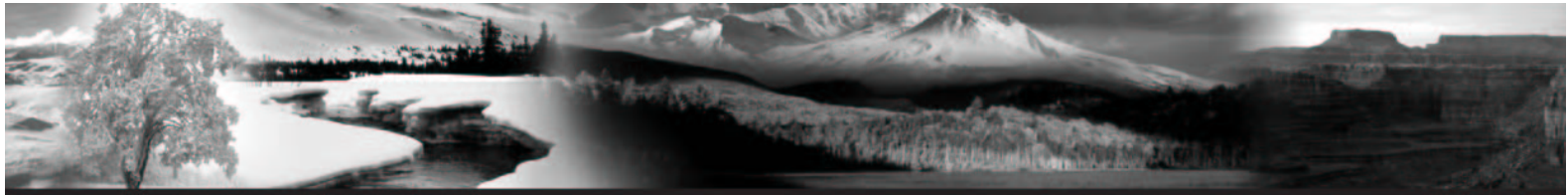
When adding a new gauge or changing the type source or physical element, please check your HydroGen configuration to verify it is configured correctly for the PEDTS.

You can check HydroGen via Hydrobase setup menu, HydroGen Configuration. This GUI will show all of the stations that are currently defined. Go to the Location: box and edit the lid. Choose the Forecast Type Source and Type Source from the pull-down menus. Choose the Physical Element from the list, then click Save.

Additional Note: When adding a new location into Hydrobase, you must stop and then restart the SHEFdecoder.

Figure 22: XML HydroGen Configuration

HydroGen is suite of software programs that collect data from a database and prepare XML files and hydrograph graphics for the web. It was designed to replace rivdat. The items in (**Figure 22**) are used to configure this software suite. Some new configurable items (denoted in **red**) for HydroGen are the ability to select Flow Units (KCFS or CFS) The default unit is KCFS. Also users can suppress plotting of Observation and Forecast Data on the Hydrograph. Data Fail-Over will be discussed below.



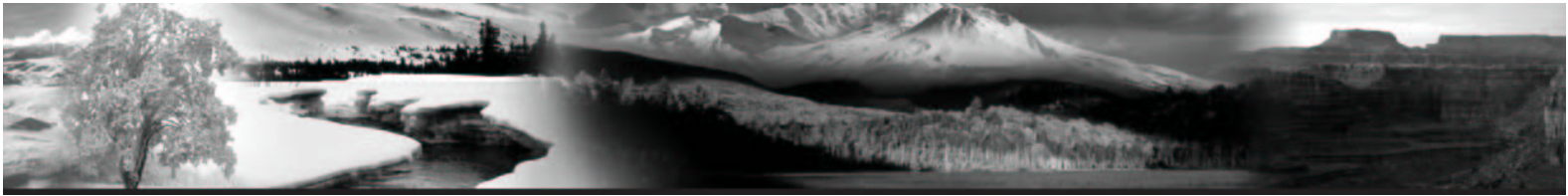
The final item denoted in **red** above in (**Figure 22**) is PEDTS Data Failover. Users can select multiple PEDTS types (if available) and prioritize these in how it is used to display the data within the Hydrograph. Within the definable “Hours” section of PEDTS failover, HydroGen will continue to use a primary PEDTS until the pre-determined “Hours” of the type is exceeded, it will then use the secondary source of information and continue to transverse the PEDTS list in a similar fashion.

PEDTS	Priority	Hours			
HGIRG	1	<input type="text" value="12"/>	<button>Update</button>	<button>Delete</button>	<button>Move Down</button>
HGIRP	2	<input type="text" value="24"/>	<button>Update</button>	<button>Delete</button>	<button>Move Up</button>

Figure 23: PEDTS Failover Configuration

****Please Note**** When a user adds additional PEDTS, sometimes the failover process will take place during the period of time users are entering/configuring the PEDTS within the AHPS CMS. When adding additional PEDTS for failover operations, users should check back in 30 minutes to see if the "**Reset PEDTS ...**" button is displaying and click that button if it is displayed. This will complete the reset and allow the function to work properly. **This only occurs during the setup of the PEDTS failover feature.**

Also noted is that the NRLDB Data for a site is also displayed on the HydroGen Page



Edit Datums

Users have the ability to input reference datums for each gauge. The Edit Datums page has the following options: Vertical Datum, Horizontal Datum, and Datum Note.

Vertical Datum - Toggle that can be either none, NAVD88 or NGVD29

Horizontal Datum – Toggle that can be either none or NAD83

Datum Note – Dropdown box with different notes to be displayed below the hydrograph.

There is also a table that allows you input the NWS stage as well as the vertical datum elevation information.

CAR - Edit Gauge DOVM1

Vertical Datum	NAVD88		
Horizontal Datum	NAD83		
Datum Note	None Selected		

River Stage Reference Frame	Gauge Height	Flood Stage	Uses
NWS stage	0	11 ft	
Vertical Datum	Elevation (gauge height = 0)	Elevation (gauge height = flood stage)	Elevation information source
NAVD88			
NGVD29			
MSL			
Other			

[Update](#)

[Return to Gauge Editor](#)

Figure 24: Edit Datums Gauge Options



Gauge Photo Management

Photos for gauge sites will be uploaded and handled via special site hosted on Eastern Region's Intranet. A link will be provided within the AHPS CMS interface to connect to this site. Users can connect to the tool by clicking the link "[click here](#)" highlighted below in red. Once a location has photos uploaded, users can use this interface to edit the captions for the photographs and move them up or down in priority.

Photo

Photos with no caption specified will not display on the hydrograph page.
If you would like to upload photos [click here](#).



Fish River above Fort Kent

Edit

Move Down



Fish River on 4/30/2008 flooded at 13.8 feet

Edit

Move Up

Figure 25a: Gauge Photo Management Interface Link

[Back To Gauge](#)



Caption:

Fish River above Fort Kent

Delete

Update

Figure 25b: Gauge Photo Editor Tool

Once photos for gauge sites have been uploaded via the ER hosted tool, users can edit the caption information by clicking the [Edit](#) button located out to the right of the photo. Once on the page pictured above in (**Figure 25a-b**), users can edit the photos caption or delete the photo outright. Once users have finished the needed updates to the caption they will need to click "Update" to complete the changes. **See Appendix-C for full documentation.**



Options Dropdown Box (Con't)

Dropdown Webpage Navigation Page

The Dropdown Navigation Page (**Figure 26**) allows users to manage the name and order of the water body(s) listed in the dropdown list below the HSA map and hydrographs AHPS web pages. Click on **Edit** to associate a river(s) with the navigation name. If more than one water body is added under a navigation name, the dropdown box on the AHPS web page will automatically add the words (and Tributaries) to the navigation name. Water bodies can be consolidated into groups of water bodies within one navigation listing. See (**Figure 27**) on follow page.

CAR - Webpage Dropdown Navigation

This page allows users to manage the name and order of rivers listed in the dropdown list to the right of the HSA map and hydrographs. Click on the edit button to associate a river(s) with the navigation name. If more than one water body is added under a navigation name the dropdown box on the AHPS web page will automatically add the words (and Tributaries) to the navigation name.

Navigation Dropdown Name	Display Order	Commands
<input type="text" value="St. John River"/>	<input type="text" value="1"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Big Black River"/>	<input type="text" value="2"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Allagash River"/>	<input type="text" value="3"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Fish River"/>	<input type="text" value="4"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Aroostook River"/>	<input type="text" value="5"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Penobscot River"/>	<input type="text" value="6"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Mattawamkeag River"/>	<input type="text" value="7"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Piscataquis River"/>	<input type="text" value="8"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Tide Gauges"/>	<input type="text" value="9"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text"/>		<input type="button" value="New"/>

Figure 26: Webpage Dropdown Navigation (water body association)

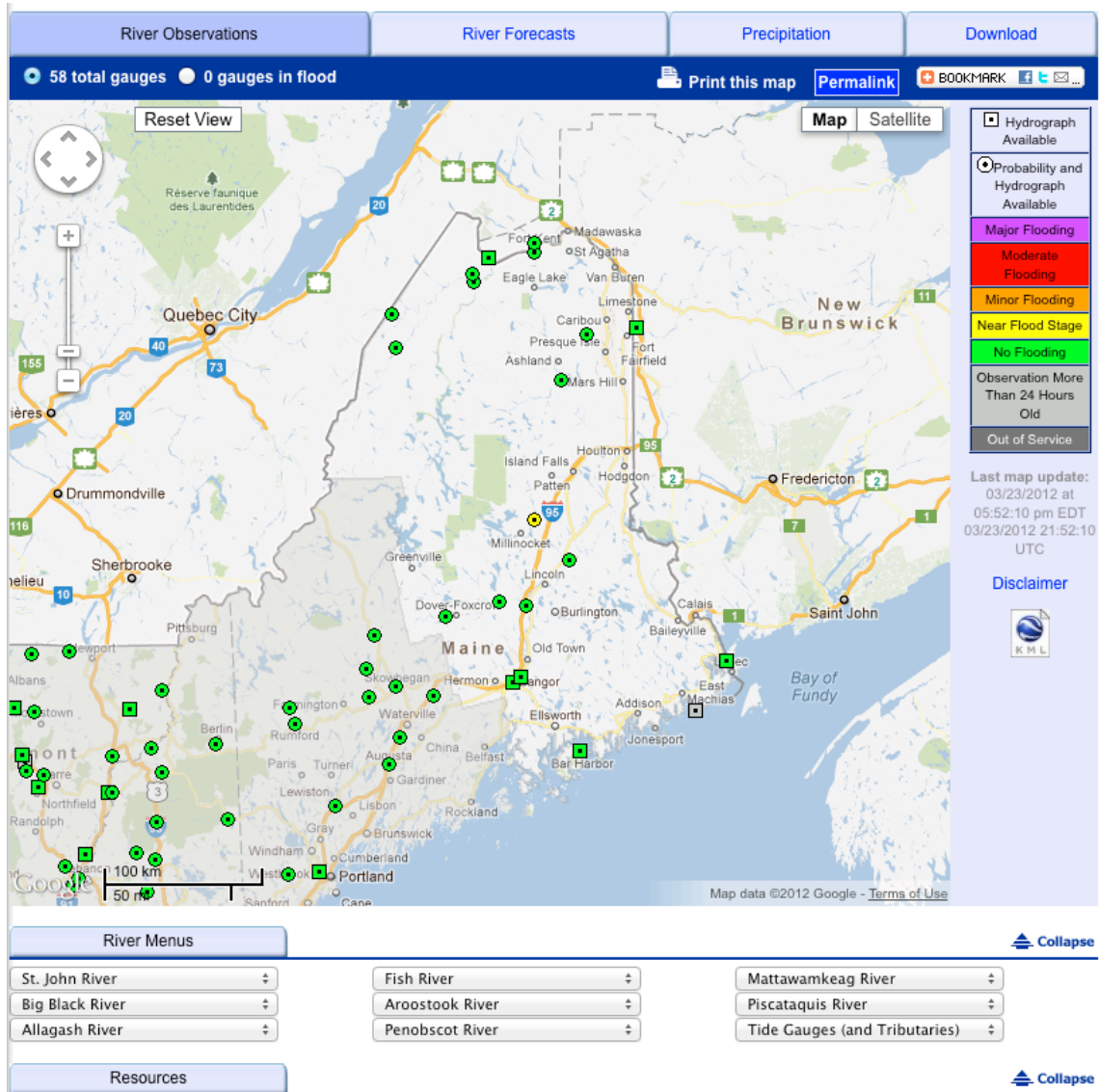
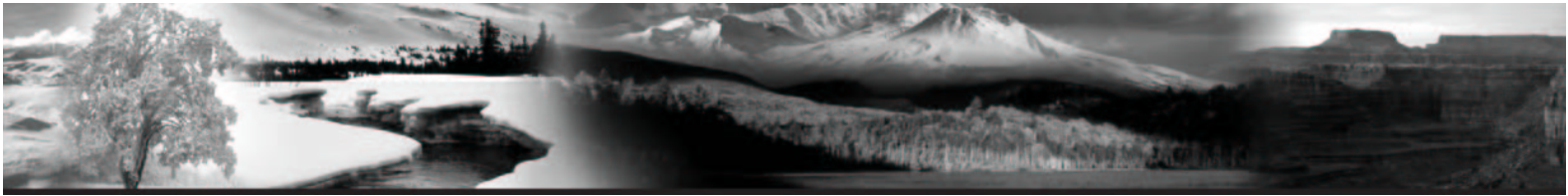


Figure 27: WFO CAR HSA Page with dropdown menus



Radar Links

Users have the ability to link to multiple radar sites on their AHPS pages. To do this, users will select Radar Links from the CMS Dropdown Menu. Once users have selected this option they will see a page similar to **Figure 28a**. Users can link to as many radar sites as they would like, users can click the “New” button and an entry will appear that can be filled in with the new link’s information. Once users have completed this they can then view the new radar links on the Blue Left-hand Navigation side of the AHPS page. (**Figure 28b**). Links can also be updated or deleted as well.

Options: - Radar Links Go

CAR - Radar Links

URL	Link Text	Commands
<input type="text" value="http://radar.weather.gov/radar.php?rid=cbw"/>	<input type="text" value="Radar"/>	1 <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text"/>	<input type="text"/>	<input type="button" value="New"/>

Figure 28a – Radar Links

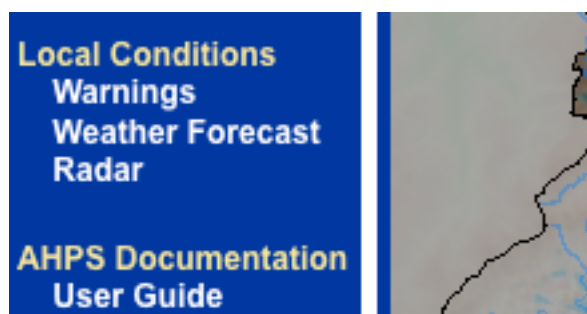


Figure 28b – Radar Links on WFO Page



Other Information

Users have the ability to input custom entries to the Other Information page. To do this, users will select “Other Info” from the Options Dropdown menu. ****Note in order for the information to be seen, the “Display Other Information” toggle needs to be set to “Yes” on the WFO configuration page.** Once loaded, users will be presented with a page similar to the one below (**Figure 29**). Here users can input new information, delete, and/or edit current information. First users will create a “Category”. Update, Delete, and Edit options will appear next to the item. If edit is clicked, users will be taken to a page where they can input the links for this category. Once the information is added and Update is clicked, it can then be viewed on the AHPS page by clicking on the Other Information tab.

Options: - Other Info Go

Other Information Categories for ALY

Name	Display Order	Commands
NASA	1	Update Delete Edit
	2	Add

Options: - Admin Gauges Go

NASA Editor

URL	Link Text	Display Order	Commands
http://www.nasa.gov	NASA	1	Update Delete
		2	Add

Please remember to start all external links with http://. Also, you no longer need to include the WFO exit page http://weather.gov/cgi-bin/nwsexit.pl?url= link. Simply include the URL and the site will dynamically add the jump-page redirection information.

Edit Other Links

Weather Forecast Office Albany, NY

River Observations River Forecasts Precipitation Download Other Information

NASA

- NASA

Figure 29: Other Information Page Editor



WFO (XXX) AHPS Specific Page

With the introduction of the NWS CMS modular interface, the WFO page has undergone a minor redesign. With growing requirements, a NWS CMS module, NWS WFO, was created to handle general WFO webpage configuration items (**This item can be referenced in the Appendix A**). These items include physical address, postal address, public phone numbers, etc....To handle AHPS Specific WFO items such as AHPS Webmaster question email configuration and additional hydrologic resource links a more condensed version of the previous AHPS WFO page has been added to the AHPS CMS and can be accessed via the “Options” dropdown navigation box **[WFO (XXX)]**. A sample of this page can be seen below:

CAR - WFO Main

Precip. URL	<input type="text" value="http://www.erh.noaa.gov/nerfc/graphic_hmd/pcpn.html"/>
QPF URL	<input type="text" value="http://www.erh.noaa.gov/nerfc/graphic_hmd/nerfc_qpf.html"/>
HSA Map Time-Stamp Horizontal Alignment	<input type="text" value="Left"/>
HSA Map Time-Stamp Vertical Alignment	<input type="text" value="Top"/>
Font Style	<input type="text" value="Normal"/>
Expand View Position	<input type="text" value="Bottom Left"/>
Display "Other Information" Tab	<input type="text" value="No"/>
Region	ER (Eastern)
	Plain text or HTML formatted text goes here.
Display Unique HSA Level Data	<div></div>
<input type="button" value="Update"/>	
<h3>Additional Edit Options</h3>	
<input type="button" value="Edit Dropdown Nav."/>	

Figure 30: AHPS Specific WFO page (image 1)



Additional Resource Links

Link Text	URL	Sort Order	Command	
Northeast River Forecast Ce	http://www.erh.noaa.gov/nerfc/	1	Update	Delete
Snow Information	http://www.nohrsc.noaa.gov/	2	Update	Delete
Maine Cooperative Snow Su	http://www.state.me.us/mema/weather	3	Update	Delete
Ice Jam Database	http://www.crrel.usace.army.mil/ierd/ic	4	Update	Delete
Maine.gov Flood Safety	http://www.maine.gov/mema/prepare/g	5	Update	Delete
Experimental Ensemble Rive	http://www.erh.noaa.gov/mmefs/index	6	Update	Delete
			New	

Hydrological Resource Links

Link Text	URL	Sort Order	Command	
U.S. Drought Monitor	http://www.drought.unl.edu/dm/monitd	1	Update	Delete
Penobscot Flow Data	http://glha.brascanpower.com/Penobscot	2	Update	Delete
Lower St. John River Watch	http://www.gnb.ca/public/Riverwatch/ir	3	Update	Delete
St. John River Society	http://www.stjohnriver.org/	4	Update	Delete
The Penobscot River Restor	http://www.penobscotriver.org/	5	Update	Delete
Maine Rivers	http://www.mainerivers.org/	6	Update	Delete
Inundation Mapping Locati	/ahps/inundation.php	7	Update	Delete
			New	

Ask Questions / Webmaster Address(es) / PEDTS Fail over Monitoring

Email Address	Addressing Type	Command	
maureen.hastings@noaa.gov	To: ▾	Update	Delete
ahps.webmaster@noaa.gov	Cc: ▾	Update	Delete
	To: ▾	New	





Nonstandard Text Products

PIL [cccNNNxxx]	Category	Command
	Flash Flood Warning ▾	New

Figure 31: AHPS Specific WFO Page (image 2)



Configuration Item	Remarks
Precip. URL	This URL is linked to the Past Precipitation link under Hydrologic Resources on the HSA page.
QPF URL	This URL is linked to the Forecast Precipitation link under Hydrologic Resources on the HSA page.
HSA MAP Time-Stamp Horizontal Alignment	Horizontal legend alignment, left, right, center, custom: If custom was select for legend align, this is the number of pixels from the left boarder the legend will start.
HSA MAP Time-Stamp Vertical Alignment	Vertical legend alignment, top, bottom, custom. If custom was selected for legend valign, this is the number of pixels from the bottom that the legend will be.
Display “Other Information” Tab	This toggle is for the “Other Information” Tab on the WFO page

Expand View Position	Allows the placing of the Expand View button on the HSA map in different locations.
Region	NWS Region. Assigned during creation of the AHPS configuration of database.
Display Unique HSA Level Data	This input area is used for unique data will be displayed globally across all web pages for a HSA. Input can be in plain text or HTML formatted text. http://newweb.erh.noaa.gov/ahps2/index.php?wfo=gsp
Additional Resource Links	Additional resource links can be added via this input. Input requires the link text and URL. The new button  must be clicked after input has been entered. If a link text or URL has been modified, the update button  should be used to save the data to the configuration database.
Hydrological Resource Links	Hydrological resource links can be added via this input. Input requires the link text and URL. The new button  must be clicked after input has been entered. If a link text or URL has been modified, the update button  should be used to save the data to the configuration database.
Ask Questions / Webmaster Address(es)	Email address(es) listed in this section will be linked to in the footer of AHPS web pages.
Non-Standard Text Products	This feature allows WFO(s) to add additional NWS products under the Text Product page link. This feature will allow nonstandard AHPS products to be added. Input for the field is the three letter identifier of the product.

FAQ/Help Page

The FAQ/Help page (**Figure 32**) will be used to answer frequently asked questions and provide additional support to users of this interface.

The screenshot shows the National Weather Service AHPS website. The header includes the NOAA logo, the text "National Weather Service AHPS", and the URL "www.nws.noaa.gov". A search bar is located in the top right. The left sidebar contains navigation links: "CMS Category" (with sub-links "AHPS", "NWS WFO", and "Logout"), "About AHPS CMS" (with sub-link "FAQ / Help"), and "Feedback/Questions" (with sub-link "Ask Questions"). The main content area is titled "FAQ" and contains three questions with answers:

- Q. What is AHPS CMS?**
A. The application you're using is designed to replace editing ahps.dat and various PHP files with a web database. Beside reducing ahps.cgi downtime and easing AHPS data maintenance this opens up a variety of possibilities for future AHPS improvements.
- Q. Where do I get help?**
A. Email ahps.cms@noaa.gov with questions or comments about the AHPS Configuration Interface. For immediate 24x7 AHPS CMS support, please call toll free 1-(888)-419-1403.
- Q. I have uploaded my file/image on the Region Web server, however the image is not displaying on my Web page. What is the issue?**
A. Please ensure that the filename put in the CMS for the file/image matches exactly what has been uploaded to the filesaver. See example below:

Example:

Incorrect:
Uploaded to server: myfile.JPG
Configured in the CMS: myfile.jpg

Because the filenames don't match, the image will never display.

Correct:
Uploaded to server: myfile.jpg
Configured in the CMS: myfile.jpg
- Q. What can I read to learn more?**
A.
 - [Documentation for AHPS CMS.](#)
 - [Full AHPS Release 2.0 Features Document PDF](#) (NOTE: This file may take some time to download.)
 - For instructions on how to create Tiger Maps for gauge locations [click here.](#)

Figure 32: FAQ/Help Page



Appendix A – NWS WFO Module

WFO Configuration Module

When a user selects the module NWS WFO, they are directed to a page that will allow them to select either one or multiple WFOs depending upon their access configuration. Usually standard users will only have access to one WFO. Once a user selects a WFO, they are directed to a WFO Configuration Page, see (**Figures A-1 and A-2**)

www.nws.noaa.gov

National Weather Service
NWS WFO

Home News Organization Search for: ☐ NWS ☐ All NOAA

Local forecast by "City, St"

CMS Category
AHPS
NWS WFO
Logout

About NWS WFO
CMS
FAQ / Help

Feedback/Questions
Ask Questions

USA.gov
Government Made Easy

AHPS NWS WFO

Options:

Click on a column name (City or Abbrev) to sort the WFOs by that column.

City	Abbrev
(Baltimore/Washington) Sterling, VA	LWX
Aberdeen, SD	ABR
Albany, NY	ALY
Albuquerque, NM	ABQ
Amarillo, TX	AMA
Anchorage, AK	PAFC
Anchorage, AK	PAFC3
Anchorage, AK	PAFC2
Austin/San Antonio, TX	EWX
Billings, MT	BYZ
Binghamton, NY	BGM
Birmingham, AL	BMX
Bismarck, ND	BIS
Blackburn, VA	BNK

Figure A-1: WFO Selection Page (multi-WFOs)



www.nws.noaa.gov



National Weather Service

NWS WFO



Home
News
Organization
Search for:
☒ NWS ☐ All NOAA

Local forecast by "City, St"

City, St

CMS Category

[AHPS](#)

[NWS WFO](#)

[Logout](#)

About NWS WFO

CMS

[FAQ / Help](#)

Feedback/Questions

[Ask Questions](#)



[AHPS](#)

[NWS WFO](#)

Options: - WFO (CAR)

CAR - WFO Main

WFO City Name

State Maine

Postal Street Address

Postal City Name

Zip Code

Public Phone

Webmaster

Time Zone EST/EDT

Homepage Link URL (Header)

Ask Questions / Webmaster Address(es)

Email Address	Addressing Type	Command
<input type="text" value="carwebmaster@noaa.gov"/>	To:	<input type="button" value="Update"/> <input type="button" value="Delete"/>
<input type="text"/>	To:	<input type="button" value="New"/>

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

[Disclaimer](#)
[Credits](#)
[Glossary](#)

[Privacy Policy](#)
[About Us](#)
[Career Opportunities](#)

Figure A-2: NWS WFO Configuration Page



Configuration Item	Remarks
WFO City Name	The official WFO name
State	Dropdown selection box
Postal Street Address	Mailing address street address of the WFO. This information is used in the footer of each WFO AHPS page.
Postal City Name	Mailing address city name of the WFO. This information is used in the footer of each WFO AHPS page.
Zip Code	Mailing address zip code of the WFO. This information is used in the footer of each WFO AHPS page.
Public Phone	Public phone number of WFO.
Webmaster	Webmaster POC information - email
Time Zone	Dropdown selection box to select time zone
Home Link URL	URL of the WFO Homepage or WFO AHPS Page
Ask Questions / Webmaster Address(es)	Email address(es) listed in this section will be linked to in the footer of NWS WFO Home CMS Driven Web pages.

Once changes are made to configuration data, the user will need to click on the [Update](#) button for the section they have modified. This will save the modification to the configuration database.



Navigation Menu “Left Hand Navigation” Page


With the creation of the new modular NWS CMS, the “Left Hand Navigation” Page has been relocated to this new module to promote consistency in the Left Hand Navigation between a WFO’s different Web pages. What this means for the field users is that once they enter the link information in this section of the module, it will be common among all of the field offices other Web pages; there will be no need to update other code or other sections of the NWS CMS. This item will work just like it did when it was part of the Climate CMS and will be explained below once again for those users who are new to the interface.

Category	Display Order	Commands
Current Hazards	1	Update Delete Edit
Current Conditions	2	Update Delete Edit
Imagery	3	Update Delete Edit
Forecasts	4	Update Delete Edit
Climate	5	Update Delete Edit
Community Outreach	6	Update Delete Edit
About Us	7	Update Delete Edit
	8	Add

Figure A-3: Navigation Menu Main Page

The Navigation Categories Editor Page allows users to add, update, delete and edit the categories in the blue left navigation bar on all WFO Web pages. Category name and the order that the categories are displayed are all editable items on this page. If a user changes any of the Category information, they must click **Update** in order for those changes to take effect. If a user selects **Delete** they will be directed to a Deletion Confirmation Page. If a user selects **Edit** they will be directed to the Navigation Links Editor Page; See **Figure A-4**.






National Weather Service

NWS WFO

www.nws.noaa.gov



HomeNewsOrganizationSearch for: ☒ NWS ☐ All NOAA

Local forecast by "City, St"

CMS Category

AHPS

NWS WFO

Logout


About NWS WFO

CMS

FAQ / Help

Feedback/Questions

Ask Questions



AHPS

NWS WFO

Options:

Caribou (CAR) Category Link Editor

URL	Link Text	Display Order	Commands
<input type="text" value="http://www.erh.noaa.gov/car/local_hazards.ph"/>	<input type="text" value="Local"/>	<input type="text" value="1"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/>
<input type="text" value="http://www.erh.noaa.gov/"/>	<input type="text" value="Regional"/>	<input type="text" value="2"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/>
<input type="text" value="http://www.weather.gov/largemap.php"/>	<input type="text" value="National

"/>	<input type="text" value="3"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/>
<input type="text"/>	<input type="text"/>	<input type="text" value="4"/>	<input type="button" value="Add"/>

Please remember to start all external links with http://. Also, you no longer need to include the WFO exit page http://water.weather.gov/ahps2/nwsexit.php?url= link. Simply include the URL and the site will dynamically add the jump-page redirection information. The links must include the http:// or they will not function properly.

US Dept of Commerce

National Oceanic and Atmospheric Administration

National Weather Service

1325 East West Highway

Silver Spring, MD 20910

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Web master's email: nws.cms@noaa.gov

navitems.php last modified at Fri Apr 15 14:02:46 EDT 2011.

Figure A-4: Links Editor Page

AHPS Configuration Management System – AHPS CMS

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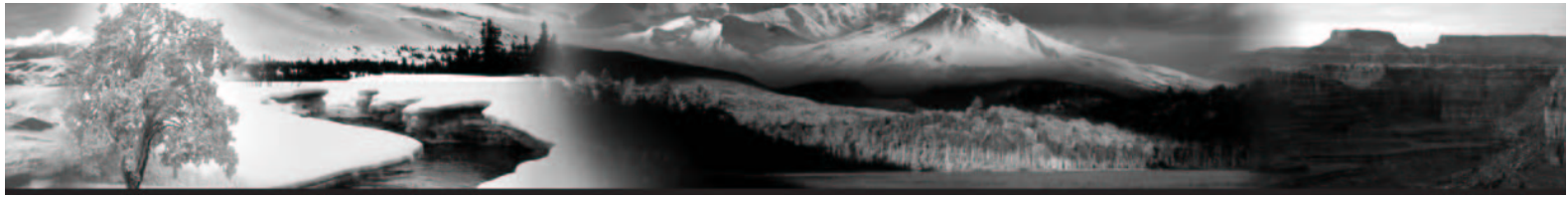
Preferences Page

The Preferences Page **Figure A-5** allows the user to control **Daily Summary** and **Real-time** email notification settings. A **Daily Summary email** includes all NWS WFO CMS changes made for a 24-hour period and is transmitted once every 24 hours. A **Real-time email** includes changes that are made throughout the day and are transmitted as changes are made. The end user will only receive emails if changes have been made to a NWS WFO Web page that they have been associated with in their access configuration.



The screenshot shows the NWS WFO website interface. At the top, there's a blue header with the NOAA logo, "National Weather Service", and "NWS WFO". The URL "www.nws.noaa.gov" is in the top right. Below the header is a navigation bar with links: Home, News, Organization, Search for: [input], NWS (selected), All NOAA, and Go. A secondary navigation bar has tabs for AHPS and NWS WFO. Below this is a search bar with "Options: - Preferences" and a "Go" button. The main content area is titled "Security User Edit john.doe@noaa.gov". Under "NWS WFO Email Options:", there are two settings: "Real-time:" with a dropdown menu set to "No" and "Daily Summary:" with a dropdown menu set to "No". An "Update" button is to the right of these settings. The footer contains contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, 1325 East West Highway, Silver Spring, MD 20910. It also includes links for Disclaimer, Credits, Glossary, Privacy Policy, About Us, and Career Opportunities. A "Web master's email: nws.cms@noaa.gov" and "prefs.php last modified at Fri Apr 15 14:02:46 EDT 2011." are at the bottom.

Figure A-5: Preferences Page



Appendix B – Map Layer(s) Editor

Map Layers Editing has been removed with the introduction of Google Mapping.



Appendix C – Gauge Photo Upload Tool

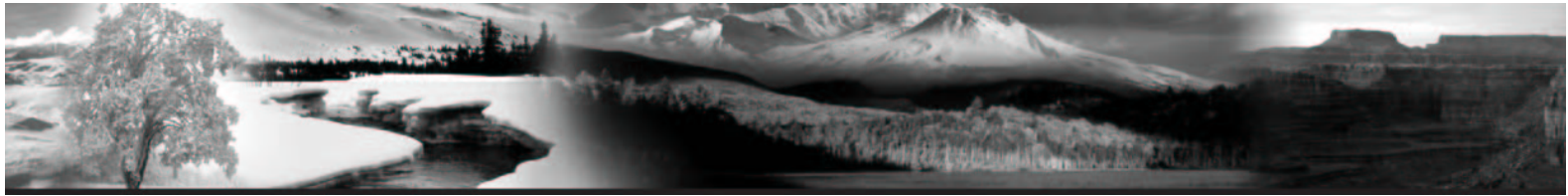


The National Weather Service

Guide for AHPS Gauge Photo Tool

Version 1.2





Background

The AHPS Gauge Photo Upload Tool was designed to allow NWS AHPS users to upload and edit AHPS Gauge Photo Information within a uniform interface for all Regions. This tool eliminates the need to store gauge photos in a directory within the Regional Systems and prevents errant file naming from hindering the display of the images.

The tool can be accessed at:

https://collaborate.werh.noaa.gov/ahps/photo_upload/index.php

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

The username is your full NOAA email address

NOAA Email Password

Figure 1: AHPS Gauge Photo Tool Login page



Functionality

Interface

The AHPS Gauge Photo Tool interface requires 5 steps to be completed to ensure a successful upload:

Login

WFO Selection

NWSLI Selection

Image File Browse/Preview

Upload of File

Add/Edit Photo Caption Information (AHPS CMS)

Login

Users will notice within the AHPS CMS that the usual photo management area has been replaced with a link to the new AHPS Photo Management Tool. Users can click the “click here” to be directed to the tool.

(https://collaborate.werh.noaa.gov/ahps/photo_upload/index.php)

Photo

Photos with no caption specified will not display on the hydrograph page.
If you would like to upload photos [click here](#).

Figure 2: AHPS CMS Link Area



Once users have clicked the link they will be directed to the server in Eastern Region that hosts the tool. Depending on whether or not users have been to this server/tool before and how their machine handles cookies, users may be prompted with a login as shown in **Figure 3**.

*****Please Note: The login to this server should be in the format of firstname.lastname and DOES NOT need to include @noaa.gov. Whereas the Photo Upload Tool login that follows this login requires the full email address format.**

Authentication Required

A username and password are being requested by <https://collaborate.werh.noaa.gov>. The site says: "NWS ER Digital Support Services"

User Name:

Password:

Cancel OK

Figure 3: ER Digital Support Services Server Login

The login page of the AHPS Photo Management Tool (seen below). Users will need to login using the same login that they use with the AHPS CMS (**full** NOAA email address eg.. john.doe@noaa.gov).

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

The username is your full NOAA email address

NOAA Email Password

Login

Figure 4: Login Screen



WFO Selection

After users have logged in they will be directed to a page that will display the username and a dropdown selection menu that will contain the WFO/HSA that the user has access to. Next, the user will need to select the WFO/HSA that the desired sensor is associated with from the menu.

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

NWSLID

Select A NWSLID

Figure 5: Successful Login Page

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

Login successful.

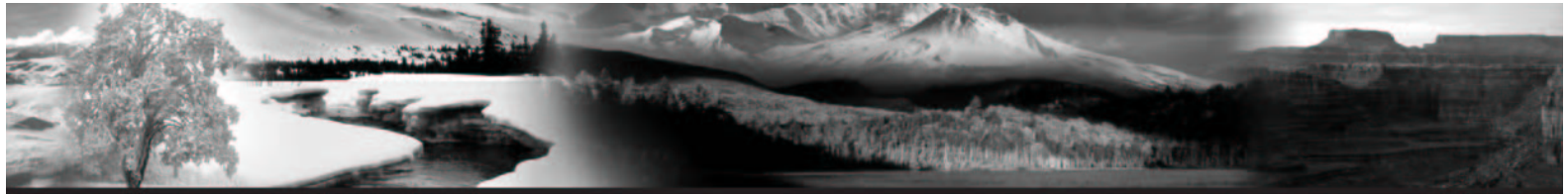
WFO

Select A WFO

Select A WFO

- ABQ
- ABR
- AKQ
- ALY
- AMA
- APX
- ARX
- BGM
- BIS
- BMX
- BOI
- BOU
- BOX
- BRO
- BTV
- BUF
- BYZ
- CAE

Figure 6: Selection of WFO



NWSLI Selection

After users have selected the desired WFO, they will be taken to another screen that will provide an NWSLI dropdown selection menu. Users will simply click the menu (sorted alphabetically) and choose the site ID that they would like to upload an image for. (See **Figure 7** below.)

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

NWSLID
Select A NWSLID
ALLM1
ATGM1
B8RM1
BLAM1
BPRM1
CTGM1
DICM1
DOVM1
EDDM1
FIHM1
FTKM1
GRNM1
MASM1
MATM1
MFDM1
NINM1
PSBM1
STFB3
TINB3

Choose

Figure 7: NWSLI Selection

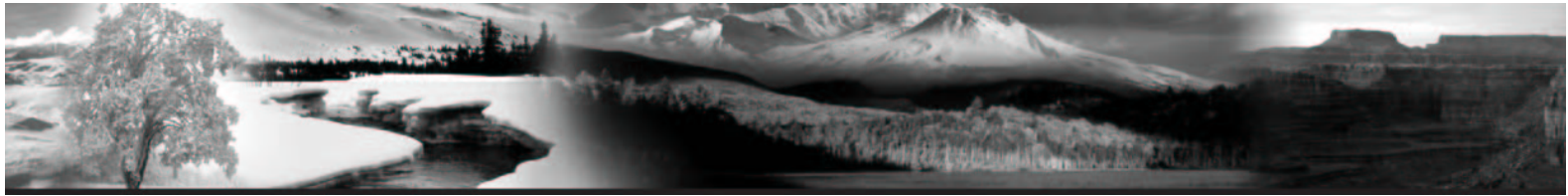


Image File Browse/Preview

After users have successfully located and selected the appropriate NWSLI, they will then be provided with an interface in which to select a local image file. Users will click the **Browse...** button to bring up the file selection window. After users have selected the desired file, users can click **Preview** to view the file within the interface. A nice feature of the tool is that the file can have any name when it is uploaded into the tool, as the naming feature used to be a big issue when it came to uploading photos.

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

Gauge Photo

Browse...**Preview**

Figure 8: Image File Browse/Preview Page

Upload of File

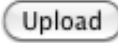
Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)



Figure 9: Sample Photo Selected and Previewed

After users have selected their desired image file and previewed the image to ensure it will display the way they wish, they should click  to move the image file to the AHPS servers.



Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

The gauge photo was uploaded successfully.

The uploaded gauge photo will be available on the corresponding gauge edit page within 20 minutes. Once available please edit the caption for your photo and it will be presented on the appropriate ahps pages.

[Upload another photo for this location.](#)

[Upload photos to a new location.](#)

Figure 10: Successful Upload Confirmation Screen

When users have successfully uploaded their desired image they will be directed to a page where they can either upload additional photos for this location, choose to upload images to another location within the area of their responsibility, or simply log out of the tool. After the 20- minute period has passed, please login to the AHPS CMS and navigate to the corresponding “Gauge edit” page and edit the captions of the images so they will display on the hydrograph pages. See below:

Photo

Photos with no caption specified will not display on the hydrograph page.
If you would like to upload photos [click here](#).

[Edit](#)[Move Down](#)

Fish River on 4/30/2008 flooded at 13.8 feet

[Edit](#)[Move Up](#)

Figure 11: Caption/Photo Edit Area Gauge Edit Page (AHPS CMS)



Users will simply need to click **Edit** located out the right of the image thumbnail to access the area where they can add the text for the caption. See below:

[Back To Gauge](#)


	<p>Caption for fihm1.jpg:</p> <input type="text" value="Fish River above Fort Kent"/>	<input type="button" value="Delete"/> <input type="button" value="Update"/>
---	--	---

Figure 12: Caption Text Edit Area (AHPS CMS)

After the text has been input, users will click **Update** to add the caption to the image. User will see a confirmation text appear below the **Update** button shown below. To return to the Gauge Edit Page, users will need to click “[Back To Gauge](#)” located just above the image. Once this has been completed users will be able to view the images on the hydrograph page, see below.

Flood Impacts & Photos

Collapse

13 MAJOR FLOODING - DOZENS OF HOMES/CAMPS INUNDATED FROM PORTAGE LAKE TO ST. FROID LAKE TO EAGLE LAKE AND BEYOND. RIVER OVERTOPS THE DECKING OF THE MAIN STREET BRIDGE IN FORT KENT. BLOCKHOUSE AREA AND MUCH OF WEST MAIN STREET IN FORT KENT INUNDATED. EVACUATIONS PROBABLE.

12 MODERATE FLOODING - HOMES IN THE SOLDIER POND AREA OF WALLAGRASS THREATENED. WEST APPROACH OF SOLDIER POND BRIDGE INUNDATED AND BRIDGE CLOSED. EVACUATIONS POSSIBLE.

11 MINOR FLOODING - CAMPS/HOMES THREATENED ON THE FISH RIVER CHAIN OF LAKES.

10 RIVER APPROACHES BANKFULL.

Photos

(1) [Fish River above Fort Kent](#)

(2) [Fish River on 4/30/2008 flooded at 13.8 feet](#)

About This Location

Collapse

Latitude: 47.237500° N, Longitude: 68.582778° W, Horizontal Datum: NAD83/WGS84

Figure 13: Available Photos on Hydrograph Page

This concludes the photo upload tool document.



Appendix D – AHPS CMS Admin Functions

Scope:

Within the AHPS CMS there are certain features that are only available to AHPS CMS Administrators. This group of users includes the NWS Region Hydro Focal Points and their associated backups, NWS HQ/OHD Management, and NWS CMS Administrators. The purpose of this section is to provide direction as to how these features function so that new administrators can become educated on these operational features.

Introduction:

To begin this supplement we will introduce the methodology used to identify an “Admin Only” type feature. Below in **Figures D-1 and D-2** users can see there are some subtle differences in the selectable options available. What is most noticeable is in **Figure D-2** there are some selection titles that are colored **Bright Blue (WFO and RSS Location)**. This is how users can clearly identify an “Admin Only” feature.

CAR - Edit Gauge DOVM1

River Name	<input type="text" value="Piscataquis River"/>	<input type="button" value="Gauge List"/>
Proximity	<input type="text" value="at"/>	
Location Name	<input type="text" value="Dover-Foxcroft"/>	
State	<input type="text" value="Maine"/>	
Adjacent State	<input type="text" value="No State Selected"/>	For RSS selection and display.
Time Zone	<input type="text" value="EST/EDT (GMT-5/-4)"/>	

Figure D-1: Gauge Configuration Page (Standard AHPS User)



CAR - Edit Gauge DOVM1

WFO Caribou, ME (CAR) ▼

River Name Piscataquis River ▼ **Gauge List**

Proximity at ▼

Location Name Dover-Foxcroft

State Maine ▼

RSS Location Yes ▼

Hemisphere Western Hemisphere ▼

Adjacent State No State Selected ▼ For RSS selection and display.

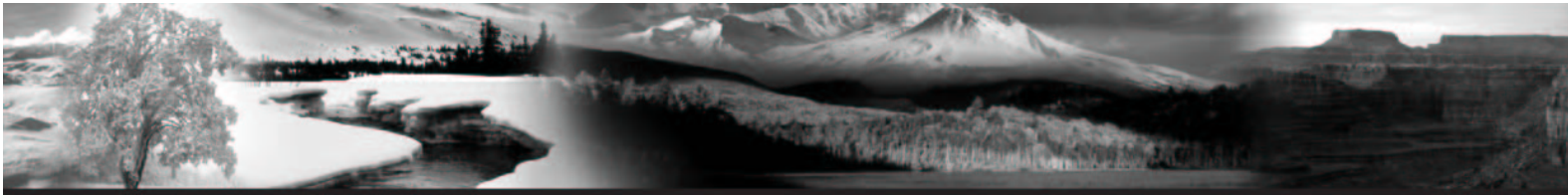
Time Zone EST/EDT (GMT-5/-4) ▼

Figure D-2: Gauge Configuration Page (AHPS Admin User)

Along with select functions on certain pages within the AHPS CMS, AHPS Administrators have several selections within the “Options” dropdown selection menu that are not available to Standard AHPS CMS Users. The items are:

- Changelog
- Compass
- Datum Explanations
- Datum Notes
- Global Color Settings
- Globals
- HSA Map Toggles
- Hydronotes
- Inundation Messages
- RSS Page Text
- Warnings
- Y Axis Content
- Water Resource Regions
- Precip Cities
- Admin Photos

This supplement will cover all of these items in detail along with any additional “Admin Only” items that may be located on the pages available to Standard AHPS CMS Users. We will begin with the items that reside on the pages that are shared between the two user types then move to the items that are available exclusively to AHPS Administrators.



Gauge Edit Page – Admin Only Functions

On the Gauge Edit Page there are three items that are available to AHPS Administrators that are not available to standard users. These are covered below:

Configuration Item	Remarks
WFO	Dropdown selection box that allows the gauge to be assigned to the selected WFO.
RSS Location	Dropdown selection box where users can select either “Yes” or “No” If yes is selected the data from the gauge will have RSS data feed generated for the location.
USGS URL	Text Entry Box where users can enter the URL for that locations data within USGS web.
Latitude NRLDB	Latitude Values as populated by NRLDB
Longitude NRLDB	Longitude Values as populated by NRLDB

Gauge Edit Page (Edit HydroGen) – Admin Only Functions

Configuration Item	Remarks
HydroGen Upper Headroom	Dropdown selection box that allows the user to define a value from 1ft-15ft to provide additional



Gauge Edit Page (Edit Inundation) – Admin Only Functions

AHPS Administrators have the ability to set whether or not a gage site is an Inundation Location and edit the Inundation configuration for that site. To access this area users will need to click [Edit Inundation](#) from the Gage Edit Page. This will direct users to a page where they can choose to enable the Inundation “Tab” for a gauge site. See **Figure D-3** below.



AHPS NWS WFO

Options: - Admin Gauges Go

CAR - Edit Gauge Inundation for DOVM1

Enable Inundation No

Update


Return to Gauge Editor

Figure D-3: Inundation Enable Page


***Please note for Inundation items a site from WFO RAH will be displayed (GLDN7).**

When users set the “Enable Inundation” option to “Yes” and click [Update](#) they will be directed to a page where they can actually edit the parameters for the Inundation Site. See **Figure D-4** on next page.





National Weather Service
AHPS



www.nws.noaa.gov


HomeNewsOrganizationSearch for: ☒ NWS ☐ All NOAA

Local forecast by "City, St"

CMS Category
AHPS
Climate
Climate L3MTO
NWS Region
NWS WFO
OCWWS/CSD
Warn
NOAA Watch
CMS Admin
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions



AHPSClimateClimate L3MTONWS RegionNWS WFOOCWWS/CSDWarnNOAA WatchCMS Admin

Options:

RAH - Edit Gauge Inundation for GLDN7

Current Datum

Enable Inundation

Clickable Hydrograph

Clickable Flood Categories

Display NC Attribution Logo

NC Attribution URL

Display USGS Attribution Logo

Display "100 Year Flood" Checkbox


Display "500 Year Flood" Checkbox

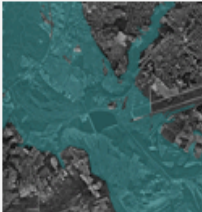
Display Inundation Extent Boundary

Inundation Extent Boundary Thickness pixels

Standard View: %

Detailed View: %






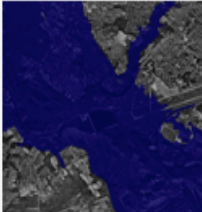
Boundary Layer: %

Boundary Layer: %

Standard View: %

Detailed View: %





Boundary Layer: %

Boundary Layer: %

AHPS Configuration Management System – AHPS CMS

66



Figure D-4a: Inundation Edit Page (top half)

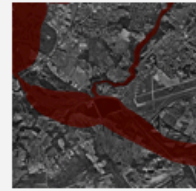


Show Floodway Data Layer

Yes

Standard View: 60 %

Detailed View: 70 %



Zero Datum Reference Value

43

Available Stages

56,56.5,57,57.5,58,58.5,59,59.5,60,60.5,61,61.5,62,62.5,63,63.5,64,64.5,65,65.5,66,66.5,67,67.5,68,68.5,69,69.5,70,70.5,71

A comma seperated list of stages (i.e. 50,51,53,55,60).

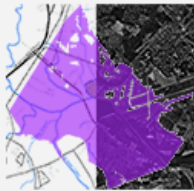
Selected Stages

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> 56 ft | <input type="checkbox"/> 61.5 ft | <input checked="" type="checkbox"/> 67 ft |
| <input type="checkbox"/> 56.5 ft | <input checked="" type="checkbox"/> 62 ft | <input type="checkbox"/> 67.5 ft |
| <input checked="" type="checkbox"/> 57 ft | <input type="checkbox"/> 62.5 ft | <input checked="" type="checkbox"/> 68 ft |
| <input type="checkbox"/> 57.5 ft | <input checked="" type="checkbox"/> 63 ft | <input type="checkbox"/> 68.5 ft |
| <input checked="" type="checkbox"/> 58 ft | <input type="checkbox"/> 63.5 ft | <input checked="" type="checkbox"/> 69 ft |
| <input type="checkbox"/> 58.5 ft | <input checked="" type="checkbox"/> 64 ft | <input type="checkbox"/> 69.5 ft |
| <input checked="" type="checkbox"/> 59 ft | <input type="checkbox"/> 64.5 ft | <input checked="" type="checkbox"/> 70 ft |
| <input type="checkbox"/> 59.5 ft | <input checked="" type="checkbox"/> 65 ft | <input type="checkbox"/> 70.5 ft |
| <input checked="" type="checkbox"/> 60 ft | <input type="checkbox"/> 65.5 ft | <input checked="" type="checkbox"/> 71 ft |
| <input type="checkbox"/> 60.5 ft | <input checked="" type="checkbox"/> 66 ft | |
| <input checked="" type="checkbox"/> 61 ft | <input type="checkbox"/> 66.5 ft | |

Show Flood Categories in Menu

Yes

Default Layer Opacity: 60 %



Upper Latitude Boundary

35.369700

Calculate

Eastern-Most Longitude Boundary

-77.95270

Calculate

Lower Latitude Boundary

35.306900

Calculate

Western-Most Longitude Boundary

-78.02940

Calculate

Update

Return to Gauge Editor

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Figure D-4b: Inundation Edit Page (bottom half)



All features on this page will be discussed below via a table that is formatted to display the Configuration Item and Remarks about the item/option.



Configuration Item	Remarks
Current Datum	Dropdown selection box with option to display what level of information to show within the inundation interface. Either North American Vertical Datum of 1988 – NAVD88 or National Geodetic Vertical Datum of 1929 – NGVD29
Enable Inundation	Dropdown selection box Yes/No . Enables Inundation Interface within a Gauge Location.
Clickable Hydrograph	AHPS Phase 6 Deliverable. Not available currently.
Clickable Flood Categories	Dropdown selection box Yes/No . Enables clickable, selectable flood category layers for the Flood Categories Page. This option determines if the JavaScript is needed in the flood category options to toggle the layers on/off.
Display State Attribution Logo	Dropdown selection box Yes/No . This option selects whether or not to display the state partner logo that has worked to help provide data for the inundation project. The CMS Support Team is in charge of managing the logo database at this time. The logo will be displayed in the Blue Left-hand Data Selection and Navigation Area.
State Attribution URL	URL/link that is associated with the State Inundation Partnership clickable logo that will be displayed in the Blue Left-hand Data Selection and Navigation Area.
Display USGS Attribution Logo	Dropdown selection box Yes/No . This option determines whether or not to display the USGS logo in the Inundation Partnership Area located in the Blue Left-hand Data Selection and Navigation Area. If this is selected the link to the USGS site is applied to this logo by default.
Display “100 Year Flood” Checkbox	Dropdown selection box Yes/No . This option determines whether or not the DFIRM 100 year flood data layer will be displayed as a selectable option for a location. If these data are not available, it is recommended that this be set to No .

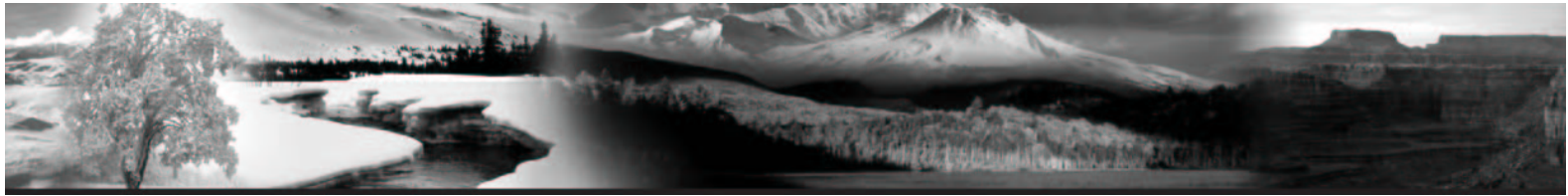


Configuration Item	Remarks
Display “500 Year Flood” Checkbox	Dropdown selection box Yes/No . This option determines whether or not the DFIRM 500 year flood data layer will be displayed as a selectable option for a location. If these data are not available, it is recommended that this be set to No .



Configuration Item	Remarks
Display Inundation Extent Boundary	Dropdown selection box Yes/No . This option determines whether or not the Inundation Extent Boundary Lines will be drawn on the Inundation Mapping Area along areas where data look to end abnormally. This is to help note the area of the Inundation Study Information.
Inundation Extent Boundary Thickness	Thickness of the Inundation Extent Boundary Lines in pixels.
Show Floodway Data Layer	Dropdown selection box Yes/No . This option determines whether or not the DFIRM Floodway data layer will be displayed as a selectable option for a location. If these data are not available, it is recommended that this be set to No .
Zero Datum Reference Value	Text input box that will accept a numeric input value that will be used for the zero datum elevation reference.
Available Stages	Text input box that will accept a numeric input values in comma-separated format. This is where available stage values for a gauge inundation site are input.
Selected Stages	Radio-selection boxes that are displayed in coordination with the Available Stages values input into the configuration interface. The values that are selected here will be displayed within on the Inundation Levels page.
Show Flood Categories in Menu	Dropdown selection box Yes/No . This option determines whether or not the Flood Categories will be displayed or not within the Blue Left-hand Data Selection and Navigation area.
**Default Layer Opacity %	Text/Numeric input box. This box will accept a numeric value (0-100) that will represent the default opacity of all non-DFRIM data layers. This is same layer opacity that is controlled by the Transparency Level Control Slider.
Upper Latitude Boundary	The Northern-Most Latitude (Top- Parallel) Boundary for the Inundation Area Map.
Eastern-Most Longitude Boundary	The Eastern-Most Longitude Boundary (Right Vertices) for the Inundation Area Map.
Lower Latitude Boundary	The Southern-Most Latitude Boundary (Bottom-Parallel) for the Inundation Area Map.
Western-Most Longitude Boundary	The Western-Most Longitude Boundary (Left Vertices) for the Inundation Area Map.

****Layer Opacity will be discussed on the next page.**



Layer Opacity is configurable within the AHPS CMS Inundation Area for all data layers within the Inundation Interface except for the background image layers. Additionally, the opacity is independently configurable within each map type.

For example, if users would like to have the Standard View 100 year flood data to be darker or more opaque, they can set the transparency for this item at 80% and for the Detailed View set it to 60% so its more transparent. Also these data layers have a completely configurable boundary layer that “outlines” the fill layers for the DFIRM data. See **Figure D-5**.

The screenshot displays the configuration interface for DFIRM data layer opacity. It features two main sections, one for the "100 Year Flood" and one for the "500 Year Flood". Each section includes a "Display" checkbox (set to "Yes") and a grid of four map preview thumbnails. The thumbnails are arranged in two columns: "Standard View" and "Detailed View", and two rows: "Boundary Layer" and the main data layer. Each thumbnail has an associated opacity percentage input field.

Flood Type	View	Layer Type	Opacity (%)
100 Year Flood	Standard View	Boundary Layer	70
		Main Layer	80
	Detailed View	Boundary Layer	70
		Main Layer	60
500 Year Flood	Standard View	Boundary Layer	70
		Main Layer	67
	Detailed View	Boundary Layer	70
		Main Layer	70

Figure D-5: DFIRM Data Layer Opacity Configuration

In Addition to the configurability of the opacity for these fill layers. The colors for these layers are also configurable. However, due to the architectural design of the AHPS CMS, these items are located in a different area than the Inundation Editor. To access the AHPS CMS Color Administration Tool, users must use the “Options” dropdown selection tool located below the CMS tabular navigation area located at the top of the page. Here, users must select “Global Color Settings” to access this tool. See **Figure D-6** on the following page.



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Home News Organization Search for: NWS All NOAA Go

Local forecast by "City, St" Go

CMS Category
AHPS
Climate
Climate L3MTO
NWS Region
NWS WFO
OCWWS/CSD
AFWS
Warn
NOAA Watch
CMS Admin
Logout

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USA.gov

RAH - Edit Gauge Inundation for GLDN7

Current Datum: NAVD88

Enable Inundation: Yes

Clickable Hydrograph: Yes

Clickable Flood Categories: Yes

Display NC Attribution Logo: Yes

NC Attribution URL: <http://www.dem.dcc.state.nc.us/>

Display USGS Attribution Logo: No

Display "100 Year Flood" Checkbox: Yes

Display "500 Year Flood" Checkbox: Yes

Standard View: 80 % Detailed View: 60 %

Boundary Layer: 70 % Boundary Layer: 70 %

Standard View: 67 % Detailed View: 70 %

Options

- Admin Gauges
- Admin Rivers
- Changelog
- Compass
- Datum Explanations
- Datum Notes
- Dropdown Navigation
- Gauges
- Global Color Settings
- Globals
- Help
- HSA Map Toggles
- Hydronotes
- Inundation Messages
- Map Config
- Map Layers (RAH)
- Other Info
- Pick WFO
- Precip Cities
- Preferences
- Radar Links
- RFC Conf
- Rivers
- RSS Page Text
- Warnings
- WFO (RAH)
- Y Axis Content
- Logout

Figure D-6: "Options" Dropdown Selection Navigation Tool

Global Inundation Colors

Description	Color	Font Color	Command
100 Year Standard View Fill Color	#CECECE	#000000	Update
500 Year Standard View Fill Color	#777777	#FFFFFF	Update
100 Year Detailed View Fill Color	#009999	#000000	Update
500 Year Detailed View Fill Color	#000066	#000000	Update
100 Year Outer Boundary Color	#000000	#FFFFFF	Update
500 Year Outer Boundary Color	#000000	#FFFFFF	Update
Floodway Boundary Color	#000000	#000000	Update
Floodway Fill Color	#660000	#000000	Update
Selected Stage Highlight Color	#FFFF00	#000000	Update
Standard Fill Color	#0000FF	#000000	Update
Extent of Inundation Study Boundaries	#663333	#000000	Update



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Figure D-7: Global Color Settings Page, Global Inundation Colors (Bottom of Page)



To change the colors of an item on this page, users simply need to click the  symbol to the left of the setting labeled “**Color**”. This will bring up a color select palette tool that will allow users to choose a web safe palette, Microsoft Windows System color palette, Grey Scale palette, or a Mac OS palette. Users can click on the desired color to update the item to and click . See example below, **Figure D-8**.

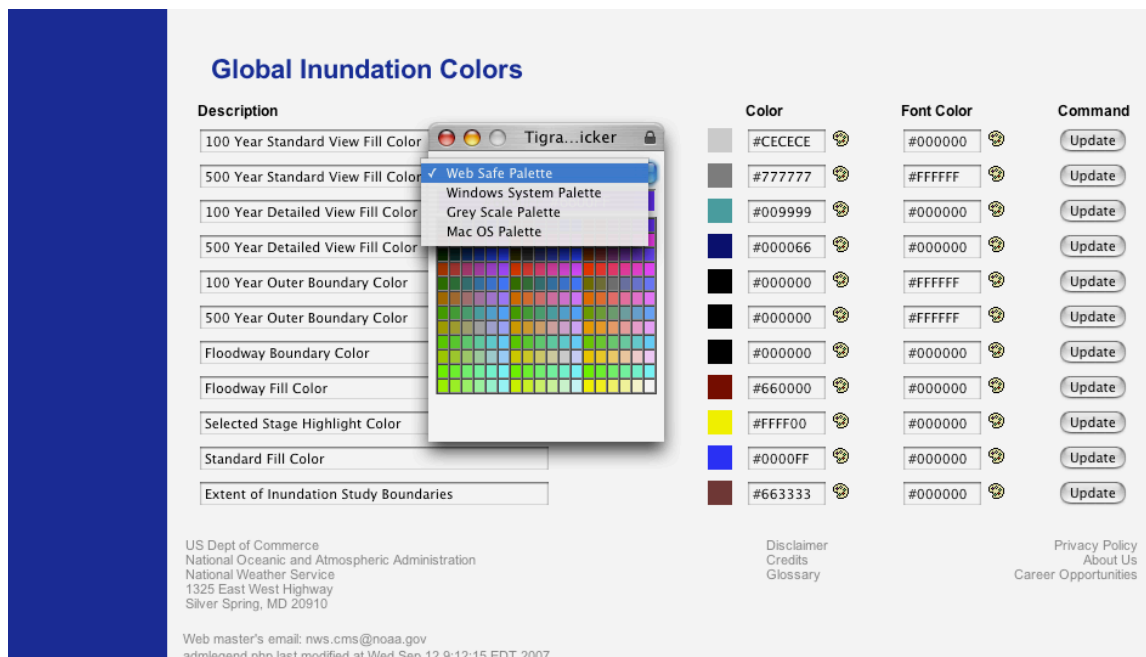


Figure D-8: Global Inundation Colors Tools

The “Font Color” configuration item on this page deals with the font color of the Fill Layer description in the Legend Areas where the layer is noted. This is configured in the same manner as the layer colors.

AHPS Administrator Only Dropdown Items

We will now cover the items that are available exclusively to AHPS Administrators. Some selectable items will only appear in the “Options” dropdown selection box based upon where users are within the interface. For example, before users select a WFO, they will have the options of:

- RFC Conf
- RSS Page Text
- Warnings
- Y Axis Content



However if a WFO is selected, users will not have the options above appear in the list, and will gain the option to view the Changelog for the particular selected WFO along with standard. We will present the data as the interface presents it with the items above first and the items that are included pages once a WFO is selected.



RFC Conf

RFC Conf is where AHPS Administrators can enter information for River Forecast Center Pages. When this item is selected users are directed to a page like the one below in **Figure D-9**. Once on this page users can simply click on a RFC to enter the RFC Edit Page **Figure D-10** on following page.

AHPS

NWS WFO

Options:

- RFC Conf

Go

City	Abbrev
Alaska Pacific River Forecast Center	APRFC
Arkansas Red-Basin River Forecast Center	ABRFC
California Nevada River Forecast Center	CNRFC
Colorado Basin River Forecast Center	CBRFC
Lower Mississippi River Forecast Center	LMRFC
Middle Atlantic River Forecast Center	MARFC
Missouri Basin River Forecast Center	MBRFC
North Central River Forecast Center	NCRFC
Northeast River Forecast Center	NERFC
Northwest River Forecast Center	NWRFC
Ohio River Forecast Center	OHRFC
Southeast River Forecast Center	SERFC
West Gulf River Forecast Center	WGRFC

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Web master's email: nws.cms@noaa.gov
rfcpick.php last modified at Fri Apr 15 14:02:42 EDT 2011.

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Figure D-9: RFC Conf Page



AHPS

NWS WFO

Options: - Admin Gauges Go

NERFC - RFC Main

RFC City Name

Northeast River Forecast Center

State

Alaska

Postal StreetAddress

445 Myles Standish Blvd.

Postal City Name

Taunton

Zip Code

2780

Public Phone

Observes DST

No

Time Zone

EST/EDT (GMT-5/-4)

Precip. URL

QPF URL

Base URL

http://www.erh.noaa.gov/

RFC URL

http://www.erh.noaa.gov/er/nerfc/

RFC Images URL

/ahps2/rfc/

Update

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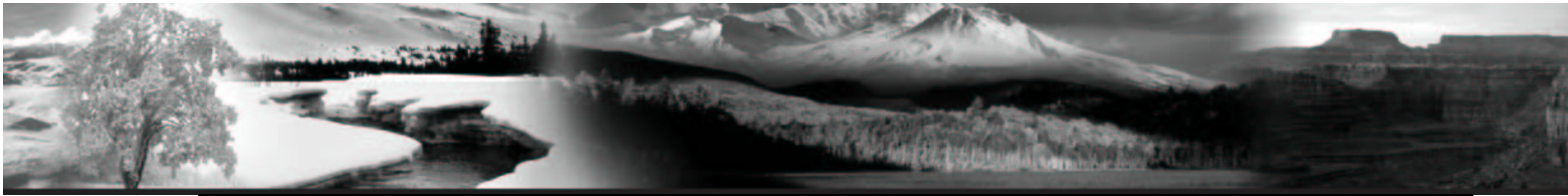
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Figure D-10: RFC Main Page Editor

Configuration Item	Remarks
RFC City Name	Text entry box where users can spell out the name of the RFC
State	Dropdown selection box where users can select what state the RFC resides within
Postal/Street Address	Text entry box where users can enter the Postal or Street Address that will be displayed on the RFC Main Page
Zip Code	Text entry box where users can enter the Zipcode for the RFC
Public Phone	Text entry box where users can enter a phone number to display on the RFC Main Page



Observes DST	Dropdown selection box that provides users with the option to choose whether or not the RFC observes Daylight Savings Time. Options are "Yes" or "No"
---------------------	---



Configuration Item	Remarks
Time Zone	Dropdown selection box that allows the RFC to be assigned to a particular Time Zone. This will allow time to be displayed correctly on the RFC Pages.
Precip URL	Text entry box where users can enter the URL for a particular Precipitation Page that will display as link on the RFC Page
QPF URL	Text entry box where users can enter the URL for a particular QPF page to be displayed as a link on RFC Page
Base URL	Text entry box where users can enter the base URL for the location of the RFC Page such as http://www.erh.noaa.gov
RFC URL	Text entry box where users can enter the actual URL for the location of the RFC Page on the server.
RFC Images URL	Text entry box where users can enter the location/directory of the images that are to be displayed on the RFC Page.



RSS Page Text

Another feature available to AHPS Administrators is the ability to edit the text that is listed on the RSS Products Page. **Users will need to know how to edit within html to enter the information into the text boxes for the respective areas on this page.** If you are unsure about any of this please contact the AHPS CMS Support Team.

AHPS

NWS WFO

Options: - RSS Page Text Go

Admin Hydronotes

Text Type	Current Value
Observed Text	<div>Note: The data are from automated sensors and are generally from equipment that is maintained by the US Geological Survey (or other collaborating agencies). The data are provisional and subject to change. Data update rates are highly variable depending on the specific location of interest.</div>
Forecast Text	<div>Note: Routine Daily Forecasts of River Conditions are available at select river locations where data histories and forecast procedures make them possible. These forecasts are generally updated from 11:00 AM to noon local time. This RSS feed is based on the original development efforts of John Yagccic of the Delaware River Basin Commission</div>
Alert Text	<div>Note: The alerts utilize both observations and forecast information (where available). Forecasts are available at select river locations where data histories and forecast procedures make them possible. This RSS feed is based on the original development efforts of John Yagccic of the Delaware River Basin Commission</div>

Update

Figure D-11: RSS Page Text Editor

Users can edit the Text that appears in the Observed Values Text, The Forecast Values Text and the Alert Text that are generated with each RSS Product.

Warnings

The Warnings selection within the Options dropdown selections menu is where AHPS Administrators can adjust the Font Color for any of the Warnings that are displayed at the top of HSA Pages and the color bar above Hydrographs. Should a color need to be changed, users simply need to enter the Web color-code for the font color they wish to use with a particular Warning and click **Update**. See **Figure D-12** below.

AHPS

NWS WFO

Options: - Warnings Go

Warning Colors

Product	Font Color	Command
Tornado Warning	#000000	Update
Severe Thunderstorm Warning	#000000	Update
Flash Flood Warning	#FFFFFF	Update
Tsunami Warning	#000000	Update
Inland Hurricane Warning	#000000	Update
Hurricane Force Wind Warning	#000000	Update
Typhoon Warning	#000000	Update
Hurricane Warning	#000000	Update
Blizzard Warning	#000000	Update
Ice Storm Warning	#FFFFFF	Update
Inland Tropical Storm Warning	#FFFFFF	Update
Heavy Snow Warning	#000000	Update
Winter Storm Warning	#000000	Update
Tropical Storm Warning	#FFFFFF	Update
Dust Storm Warning	#000000	Update
Storm Warning	#FFFFFF	Update
Coastal Flood Warning	#000000	Update

Figure D-13: Warnings Color Edit Page

It is suggested that these be left untouched unless an approved change for a color has been made.



Y-Axis Content

The final item to cover within the “Options” dropdown selection box before a WFO is selected is the Y-Axis Content Editor. This item allows AHPS Administrators to edit the page content associated with the links located in the Y-Axis of the hydrographs (Stage and Flow). **Users will need to have knowledge of HTML to edit this area.** If you do not have knowledge of HTML you should contact the AHPS CMS Support team.

AHPSNWS WFO

Options: - Y Axis ContentGo

Y Axis Page Editor

Page Title: Stage Defined (yaxis1info.php)

Plain text or HTML formatted text goes here.
<div align="center">Return to Hydrograph</div>
<p />
Stage - The level of the water surface in a river measured with reference to some datum.
<p />
<p>
Datum - For marine applications, a base elevation used as a reference from which to reckon heights or depths.

It is called a tidal datum when defined in terms of a certain phase of the

Update

Page Title: Ratings and Unit Hydrographs (yaxis2info.php)

Plain text or HTML formatted text goes here.
<div align="center">Return to Hydrograph</div>
<p />
Flow is the streamflow or discharge of water along a defined natural channel.
<p />
Flow on a hydrograph is related to stage by a rating curve. The rating curve represents the actual flow, in CFS (Cubic Feet Per Second) or KCFS (Thousands of Cubic Feet Per Second) for a particular stage at that river location.
<p />

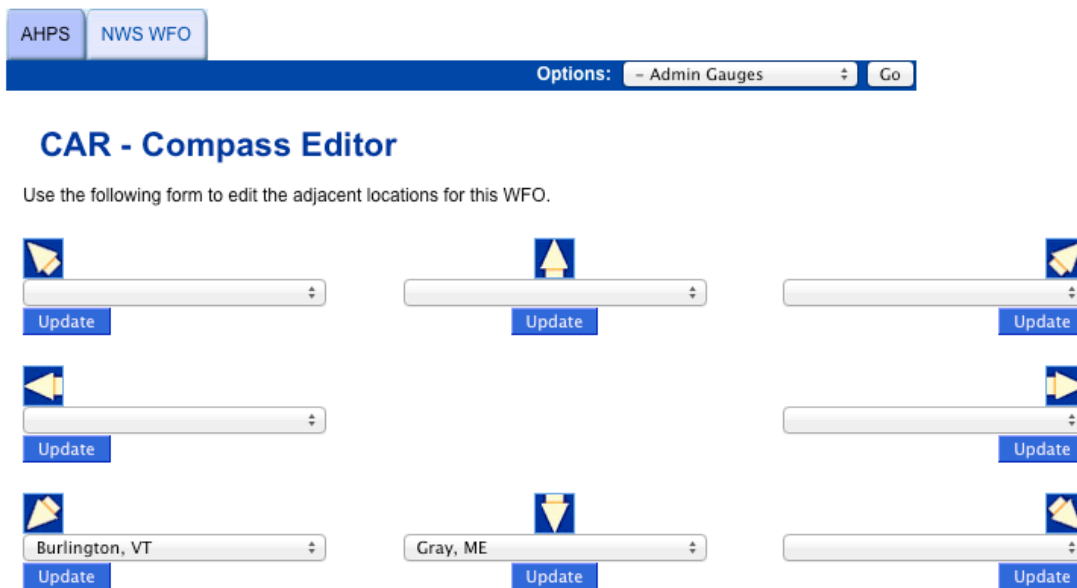
Update

Figure D-14: Y-Axis Content Editor Page



Compass

Once an AHPS Administrator select a WFO to configure the Options dropdown selection menu will change slightly as previously mentioned. Compass is an option that will still be present once a WFO is selected. If Compass is selected it will look as if users have redirected back to the “Select WFO Page”. Once here users can select what WFO’s AHPS Compass they would like to edit. Once they have chosen a WFO, they will be directed to a page that looks like **Figure D-15** below.



AHPS NWS WFO

Options: - Admin Gauges Go

CAR - Compass Editor

Use the following form to edit the adjacent locations for this WFO.









 Update	 Update	 Update
 Update		 Update
 Burlington, VT Update	 Gray, ME Update	 Update

Figure D-15: Compass Editor Page

Once on the Compass Editor Page, users can change or add additional navigational arrows by selecting the desired WFO for that particular direction from the dropdown selection box and clicking **Update** when done choosing for that particular direction.

Datum Notes Administration

Should a Datum Note need to be edited or a new one added AHPS Administrators will complete that task via this selection. Once on this page, users can edit the information of an existing note within the text box by simply editing the text. If a link needs to be added/adjusted within a note, it will need to be input as HTML. For example a link to FEMA Flood Maps that displays only as **msc.fema.gov** on the webpage should be input as the following:

```
<a href="http://msc.fema.gov">msc.fema.gov</a>
```

Once an existing note has been updated users will click **Update** to complete the change. Users can also remove a note entirely by clicking **Delete**. To enter a new note users should input the desired note information in the very bottom blank text entry box and click **Add** when finished.

AHPSNWS WFO

Options: Datum NotesGo

Datum Notes Administration

Datum Note	Commands
More information on FEMA flood maps is available at msc.fema.gov	Update Delete
More information on topographic maps is available at topomaps.usgs.gov	Update Delete
Vertical datum height surveyed by the USGS	Update Delete
Vertical datum height estimated from NGVD29 to NAVD88 using the NGS VERTCON conversion program	Update Delete
Vertical datum height surveyed by the NWS	Update Delete
Vertical datum height estimated by a GPS unit	Update Delete
Vertical Datum references a tidal datum...for more information see 	Update Delete

Figure D-17: Datum Notes Administration Editor Page





Global Color Settings

The Global AHPS Color Settings Page is pretty much self-explanatory in its name. Here colors associated with Flood Categories and other AHPS color associations are handled on this page. As mentioned earlier in the Inundation Mapping Editor section, Inundation Colors are also changed within this selection. Again these items should not be adjusted unless a directive comes down from AHPS Executive Management/OHD at NWS HQ.

AHPS
NWS WFO

Options: - Global Color Settings ▾ Go

Global AHPS Colors

Description	Color	Font Color	Command
Hydrograph Available	#E2E3FE	#000000	Update
Probability and Hydrograph Available	#E2E3FE	#000000	Update
Forecast To Exceed Flood Stage Within 48 Hours	#E2E3FE	#000000	Update
Major Flooding	#CC33FF	#000000	Update
Moderate Flooding	#FF0000	#000000	Update
Minor Flooding	#FF9900	#000000	Update
Near Flood Stage	#FFFF00	#000000	Update
No Flooding	#00FF00	#000000	Update
Observation More Than 24 Hours Old	#BDC2BB	#000000	Update
Out of Service	#666666	#FFFFFF	Update
Forecasted Flood Stages	#FF0000	#FFFFFF	Update
Record Stage	#CC33FF	#000000	Update
Low Flow Threshold	#906320	#000000	Update

Figure D-18: Global AHPS Color Editor Page



AHPS

NWS WFO

Options: - Globals Go

Display "Other Information" National Tab

Plain text or HTML formatted text goes here.

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HSA Map Toggles

On the HSA Map Toggles selection AHPS Administrators can choose which HSA map layers are either turned “On” or “Off” by default for all HSA Maps. What this does is set the radio button representing a map layer to be either checked or unchecked for the default presentation to the end users. Users simply need to set a dropdown selection to either “Yes” or “No” for checked and click [Update](#) .

AHPSNWS WFO

Options: - HSA Map TogglesGo

HSA Map Layers

Layer	Checked	Commands
Topo	Yes	Update
Gauges	Yes	Update
Counties	No	Update
States	Yes	Update
Major Rivers	Yes	Update
Other Rivers	Yes	Update
Highways	No	Update
Cities	No	Update
HSA	Yes	Update
Names	Yes	Update
Major River Names	No	Update
Other River Names	No	Update
Legend	No	Update

Figure D-20: HSA Map Toggles Editor

Hydronotes

In the past, Hydronotes had to be submitted by Service Hydrologists to the Region Hydro Focal Point and then past on to the AHPS CMS Support Team to be added manually to a file. With the addition of this selection for AHPS Administrators the Regional AHPS personnel could now control these messages. To Add, Edit or Delete a Hydronote, users simple would need to click Hydronote in the Options dropdown selection menu. They will be directed to the page displayed below in **Figure D-21**.

AHPS

NWS WFO

Options: - Hydronotes Go

Admin Hydronotes

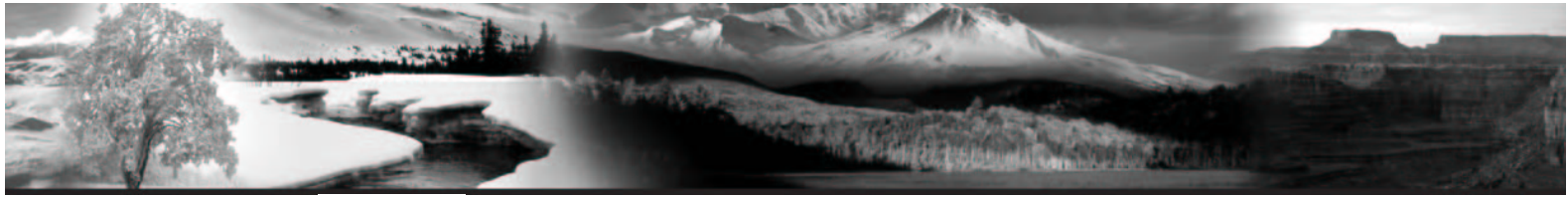
Hydronote	Commands
	<div>Update</div> <div>Delete</div>
-- none --	<div>Update</div> <div>Delete</div>
2011 crest data is provisional and subject to revision.	<div>Update</div> <div>Delete</div>
Dickey JamCam available courtesy of Maine DOT - click here	<div>Update</div> <div>Delete</div>
NWS Precipitation and River Forecasting Discussion -	<div>Update</div> <div>Delete</div>
Automated gauge readings are now available, courtesy of the USGS.	<div>Update</div> <div>Delete</div>
Automated gauge readings are unavailable, readings taken manually.	<div>Update</div> <div>Delete</div>
Coastal flood impacts are dependent upon waves as well as tide level. High waves can result in flooding even if the tide level is below flood	<div>Update</div> <div>Delete</div>
Daily forecast services will begin on Monday, June 6, 2011 at this location.	<div>Update</div> <div>Delete</div>

Figure D-21: Hydronotes Editor Page

Just like the previous note editors, once an existing note has been updated users will click

Update

 to complete the change. Users can also remove a note entirely by



clicking [Delete](#) . To enter a new note users should input the desired note information in the very bottom blank text entry box and click [Add](#) when finished.



Global Inundation Messages Editor

Just as with the other global message editors these text entry boxes except HTML formatted information and drive the respective messages that each box is labeled with on the AHPS Inundation Pages:

About Inundation
Inundation FAQ Text
Print/Save Image Alert Text

AHPSNWS WFO

Options: ~ Inundation MessagesGo

Global Inundation Messages Editor

Simply enter the HTML of the page below and click "Update" to save it.

About Inundation Text

```
easy to view,
anyone with an interest during these events can make use of the maps, including
the Federal
Emergency Management Agency (FEMA), the U.S. Geological Survey (USGS), Corps of
Engineers (COE), state and local emergency managers, the media, and the general
public.</LI>

<BR WP="BR1"><BR WP="BR2">  <LI><SPAN STYLE="text-decoration:
underline">Presentation Format</SPAN> - The Flood Inundation Maps are web-based
graphics.  A text version of
the actual river forecast numbers is available on the AHPS hydrograph page.</LI>

<BR WP="BR1"><BR WP="BR2">  <LI><SPAN STYLE="text-decoration:
underline">Feedback Method</SPAN> - Comments regarding the Flood Inundation
Maps can be made <A HREF="http://www.weather.gov/survey
/nws-survey.php?code=inundate">here</A></P>
```

Inundation FAQ Text

```
<h3>Inundation F.A.Q.'s</h3>


<UL>
<LI>
<a name="missing_flood_cats"><SPAN STYLE="text-decoration: underline">Why are
there missing flood categories?</SPAN></a> - A Flood Category may be excluded
from the inundation study area due to lack of elevation data for the given
study location.</LI>
<P />
<LI><SPAN STYLE="text-decoration: underline">What is a "100-year flood"?</SPAN>
-

A 100-year flood is a flood that has a 1-percent chance of being equaled or
exceeded in any given year. A base flood may also be referred to as a 100-year
storm and the area inundated during the base flood is sometimes called the
100-year floodplain.</LI>
```

```
<h2>Inundation Legal Disclaimer</h2>

Graphical representation of flood inundation for NWS flood categories are based
on standard hydrologic modeling of water surface elevations for inundated
```

Figure D-22: Global Inundation Messages Editor

Once users have updated the desired content they will click  to finalize the changes that were just made.





Changelog

The final item to be covered in this Admin Guide is the Changelog. This can be a very handy tool for AHPS Administrators to use for troubleshooting issues that suddenly occur on a WFO's AHPS webpage. Once this selection has been chosen from the "Options" dropdown selection box, users will be presented with the page displayed in **Figure D-23**. Once on this page users can select one the dates listed to view the changes that were made to the WFO's AHPS configuration on that particular date.

AHPSNWS WFO

Options: - ChangelogGo

CAR - View Change Logs

Click on a date below to view that days changes:

- [Sun May 22 UTC 2011](#)
- [Thu May 19 UTC 2011](#)
- [Wed May 4 UTC 2011](#)
- [Tue May 3 UTC 2011](#)
- [Sun Apr 24 UTC 2011](#)
- [Wed Mar 23 UTC 2011](#)
- [Sat Mar 19 UTC 2011](#)
- [Thu Dec 16 UTC 2010](#)
- [Sat Nov 27 UTC 2010](#)
- [Tue Oct 19 UTC 2010](#)
- [Wed Oct 13 UTC 2010](#)
- [Tue Oct 12 UTC 2010](#)
- [Mon Oct 11 UTC 2010](#)
- [Fri Oct 8 UTC 2010](#)
- [Mon Aug 16 UTC 2010](#)
- [Mon Aug 9 UTC 2010](#)
- [Mon Jun 14 UTC 2010](#)
- [Wed May 5 UTC 2010](#)
- [Thu Mar 18 UTC 2010](#)
- [Wed Mar 17 UTC 2010](#)
- [Wed Mar 10 UTC 2010](#)

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

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Figure D-23: Changelog Date Selection Page

An example of what AHPS Administrators will be presented with after a date has been selected can be viewed on the next page in **Figure D-24**. The information will inform the Administrator who made the change, what time they made the change and what change was exactly applied.

AHPSNWS WFO

Options: - Admin GaugesGo

CAR - View Changes from Sun May 22 UTC 2011



Figure D-24: Sample of Changelog

This concludes the AHPS CMS Administrator's Guide